

Data File : VF059307.D
Acq On : 25 Jun 2018 17:37
Operator : VA/AP
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC150

Quant Time: Jun 26 08:03:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 07:57:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	271316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	413972	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	430551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	248327	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	476793	124.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	249.30%	
35) Dibromofluoromethane	4.28	113	408332	120.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	240.12%	
50) Toluene-d8	7.70	98	1023589	118.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	237.70%	
62) 4-Bromofluorobenzene	11.50	95	546249	114.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	228.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	334895	109.273	ug/l	95
3) Chloromethane	1.08	50	237483	122.960	ug/l	98
4) Vinyl Chloride	1.15	62	233949	122.368	ug/l	100
5) Bromomethane	1.34	94	148747	114.048	ug/l	96
6) Chloroethane	1.43	64	112030	119.689	ug/l	95
7) Trichlorofluoromethane	1.48	101	126337	33.762	ug/l	93
8) Diethyl Ether	1.69	74	121554	140.230	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.89	101	234479	110.822	ug/l	98
10) Methyl Iodide	1.96	142	497871	128.302	ug/l	98
11) Tert butyl alcohol	2.68	59	156160	672.065	ug/l #	89
12) 1,1-Dichloroethene	1.85	96	234434	123.761	ug/l	88
13) Acrolein	2.08	56	81426	439.552	ug/l	92
14) Allyl chloride	2.18	41	467284	133.340	ug/l	89
15) Acrylonitrile	3.06	53	308008	640.841	ug/l	94
16) Acetone	2.33	43	649042	695.315	ug/l	98
17) Carbon Disulfide	1.83	76	167921	36.832	ug/l	96
18) Methyl Acetate	2.44	43	239655	136.217	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	842876	132.160	ug/l	93
20) Methylene Chloride	2.26	84	143908	70.701	ug/l	96
21) trans-1,2-Dichloroethene	2.40	96	255298	131.079	ug/l	92
22) Diisopropyl ether	2.91	45	989140	135.784	ug/l	95
23) Vinyl Acetate	3.32	43	2929685	627.764	ug/l	100
24) 1,1-Dichloroethane	2.99	63	591810	125.799	ug/l	100
25) 2-Butanone	4.49	43	810701	665.389	ug/l	98
26) 2,2-Dichloropropane	3.74	77	377859	115.880	ug/l	98
27) cis-1,2-Dichloroethene	3.61	96	381260	128.496	ug/l	89
28) Bromochloromethane	3.87	49	227247	115.609	ug/l	93
29) Tetrahydrofuran	4.24	42	335440	614.315	ug/l	98
30) Chloroform	4.02	83	843550	124.060	ug/l	100
31) Cyclohexane	3.84	56	383285	120.245	ug/l	91
32) 1,1,1-Trichloroethane	4.27	97	591425	115.969	ug/l	96
36) 1,1-Dichloropropene	4.44	75	530223	126.519	ug/l	100
37) Ethyl Acetate	4.28	43	347558	126.144	ug/l	93
38) Carbon Tetrachloride	4.16	117	708745	137.090	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	466133	123.699	ug/l	93
40) Benzene	4.80	78	1151387	128.441	ug/l	98
41) Methacrylonitrile	4.91	41	174883	133.326	ug/l	91
42) 1,2-Dichloroethane	5.10	62	685434	133.127	ug/l	99
43) Isopropyl Acetate	7.09	43	471617	142.246	ug/l #	94
44) Trichloroethene	5.66	130	384301	124.664	ug/l	99
45) 1,2-Dichloropropane	6.38	63	338774	130.331	ug/l	99
46) Dibromomethane	6.24	93	289119	129.614	ug/l	98
47) Bromodichloromethane	6.53	83	703988	132.379	ug/l	97
48) Methyl methacrylate	6.86	41	323961	152.637	ug/l	94
49) 1,4-Dioxane	6.85	88	31895	2564.491	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	1535492	641.351	ug/l	97
52) Toluene	7.76	92	836218	120.593	ug/l	92
53) t-1,3-Dichloropropene	8.42	75	646993	130.250	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	710719	134.573	ug/l	94
55) 1,1,2-Trichloroethane	8.62	97	351807	131.289	ug/l	96
56) Ethyl methacrylate	8.75	69	448123	145.536	ug/l	97
57) 1,3-Dichloropropane	8.99	76	591061	133.364	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.76	63	152811	624.446	ug/l	100
59) 2-Hexanone	9.62	43	1200526	626.859	ug/l	96
60) Dibromochloromethane	8.85	129	538700	135.863	ug/l	93
61) 1,2-Dibromoethane	9.12	107	421151	135.424	ug/l	98
64) Tetrachloroethene	8.30	164	382425	119.094	ug/l	97
65) Chlorobenzene	9.93	112	1095142	123.132	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	462505	123.336	ug/l	97
67) Ethyl Benzene	10.03	91	1762632	116.847	ug/l	99
68) m/p-Xylenes	10.26	106	1225204	227.378	ug/l	91
69) o-Xylene	10.82	106	704197	117.923	ug/l	89
70) Styrene	10.89	104	1060957	116.973	ug/l	99
71) Bromoform	10.88	173	343117	128.882	ug/l #	99
73) Isopropylbenzene	11.21	105	1966993	118.749	ug/l	95
74) N-amyl acetate	11.45	43	726147	131.453	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	492099	124.089	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	392575	135.411	ug/l	93
77) Bromobenzene	11.59	156	542473	120.885	ug/l	85
78) n-propylbenzene	11.68	91	2165078	111.021	ug/l	99
79) 2-Chlorotoluene	11.81	91	1393223	118.710	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	1614616	115.442	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	235381	128.472	ug/l	97
82) 4-Chlorotoluene	11.98	91	1493809	117.796	ug/l	98
83) tert-Butylbenzene	12.21	119	1598583	113.176	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	1687980	114.065	ug/l	94
85) sec-Butylbenzene	12.38	105	2135590	112.564	ug/l	97
86) p-Isopropyltoluene	12.54	119	1759406	113.058	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	901858	111.985	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	949057	119.689	ug/l	96
89) n-Butylbenzene	12.91	91	1718373	108.642	ug/l	94
90) Hexachloroethane	12.99	117	472893	120.672	ug/l	99
91) 1,2-Dichlorobenzene	13.01	146	937592	116.091	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	121318	141.656	ug/l	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF062518\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	682982	116.653	ug/l	97
94) Hexachlorobutadiene	14.25	225	396450	115.695	ug/l	95
95) Naphthalene	14.52	128	1640063	135.893	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	704057	127.847	ug/l	96

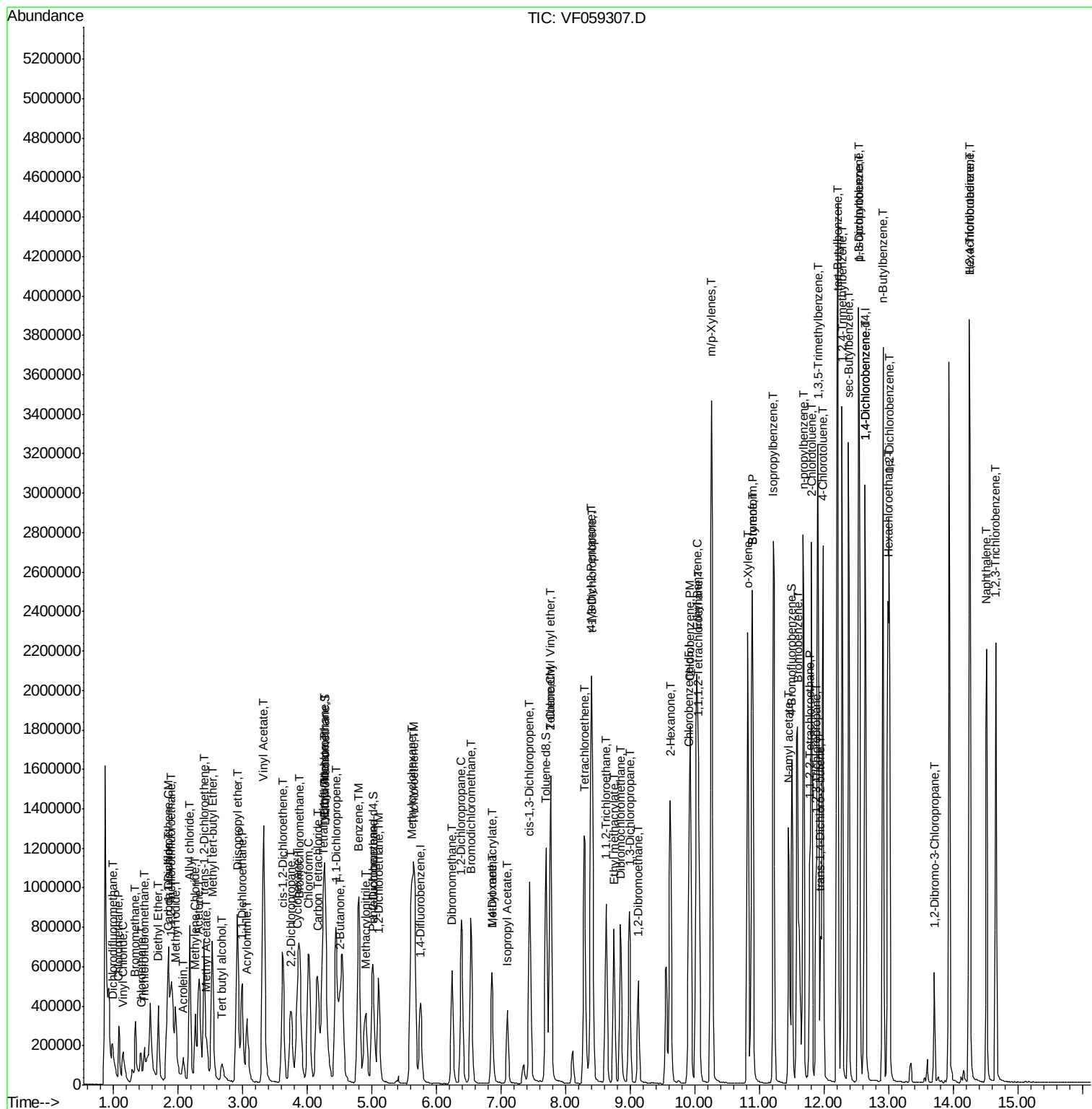
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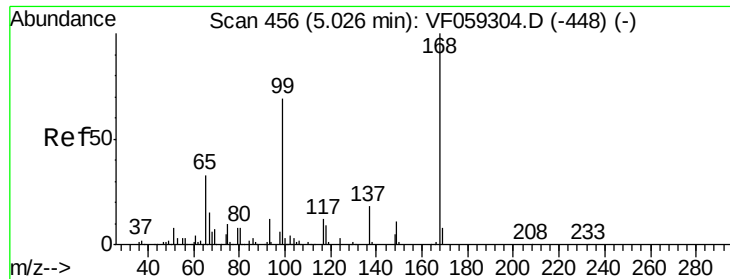
Data File : VF059307.D

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Operator    : VA/AP
Sample      : VSTDICC150
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Instrument :
MSVOA_F
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

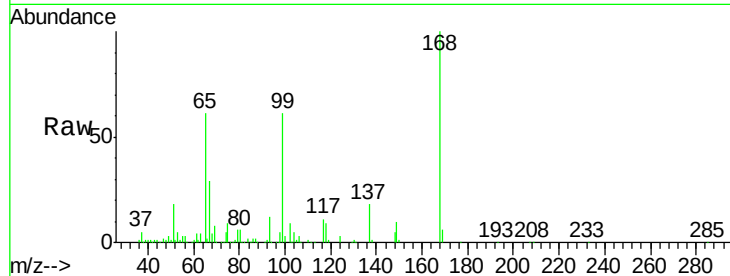
VSTDIC150

Tgt Ion:168 Resp: 271316

Ion Ratio Lower Upper

168 100

99 60.8 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

100000

80000

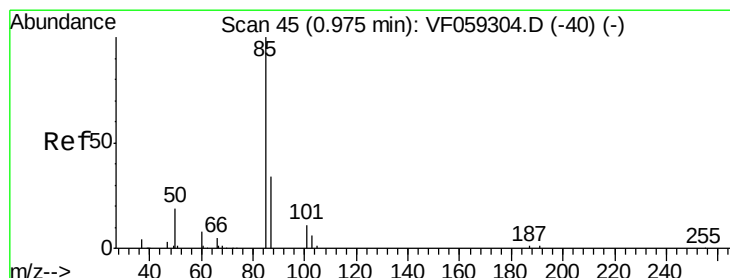
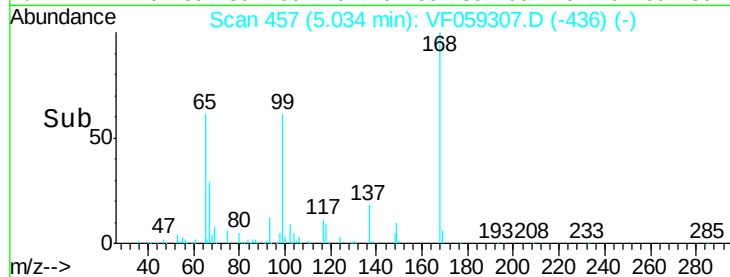
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 109.273 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059307.D

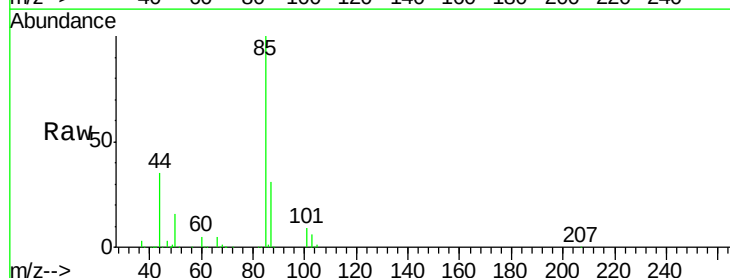
Acq: 25 Jun 2018 17:37

Tgt Ion: 85 Resp: 334895

Ion Ratio Lower Upper

85 100

87 31.1 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

100000

80000

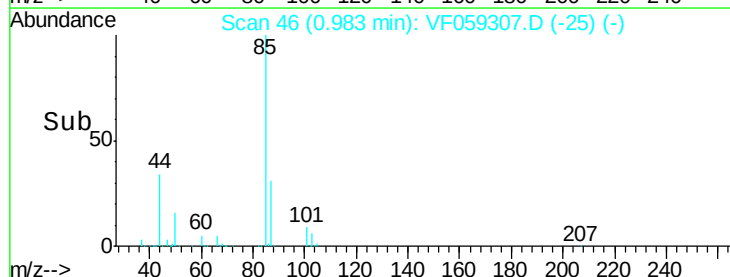
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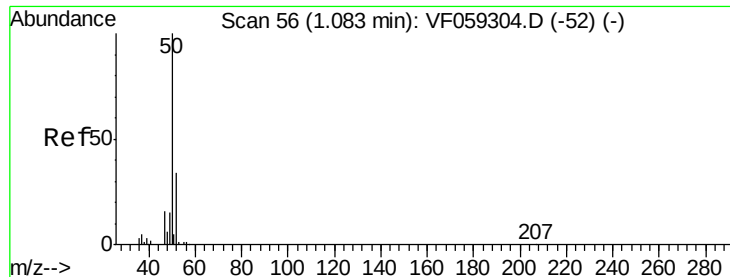
40000

20000

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Time-->





#3

Chloromethane

Concen: 122.960 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

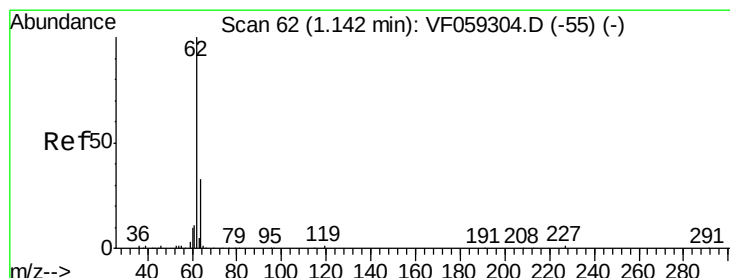
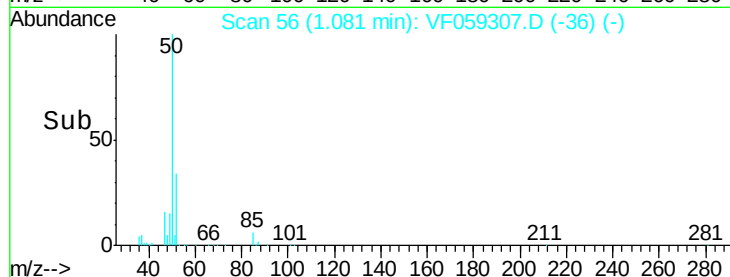
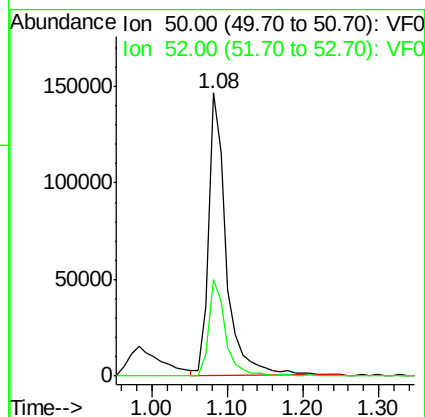
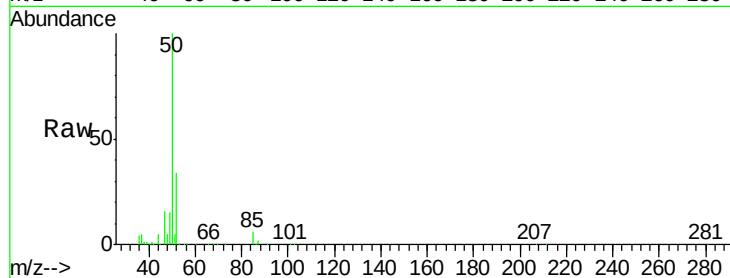
VSTDIC150

Tgt Ion: 50 Resp: 237483

Ion Ratio Lower Upper

50 100

52 34.3 26.7 40.1



#4

Vinyl Chloride

Concen: 122.368 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF059307.D

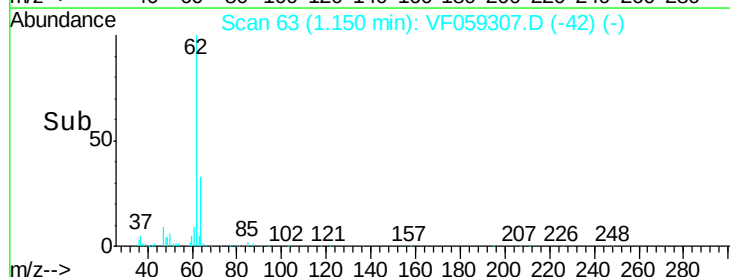
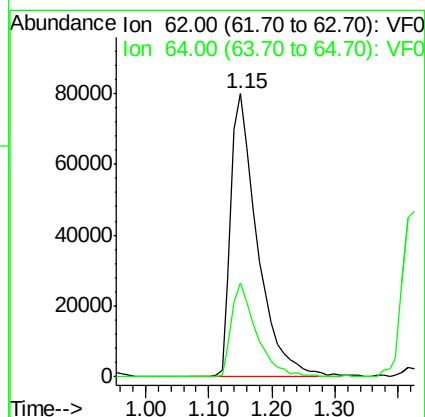
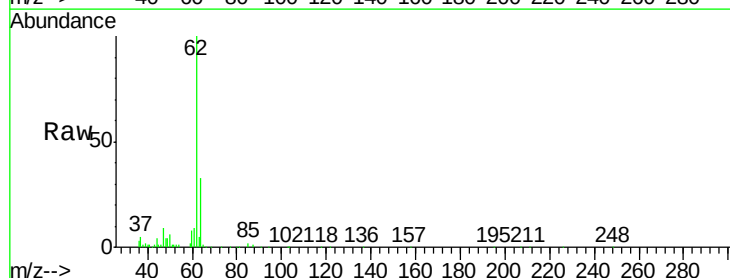
Acq: 25 Jun 2018 17:37

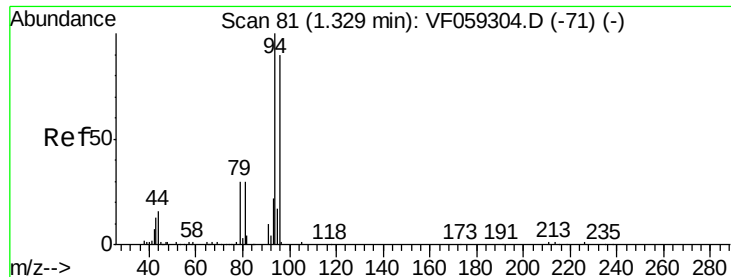
Tgt Ion: 62 Resp: 233949

Ion Ratio Lower Upper

62 100

64 33.2 26.3 39.5





#5

Bromomethane

Concen: 114.048 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.01 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

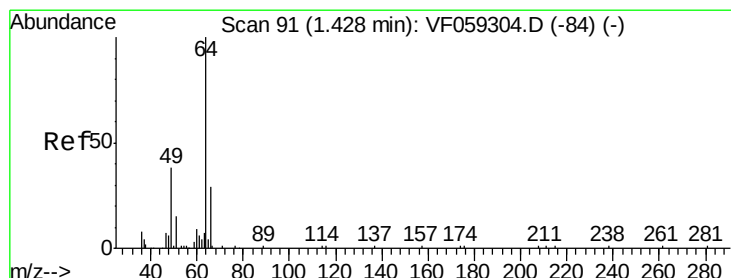
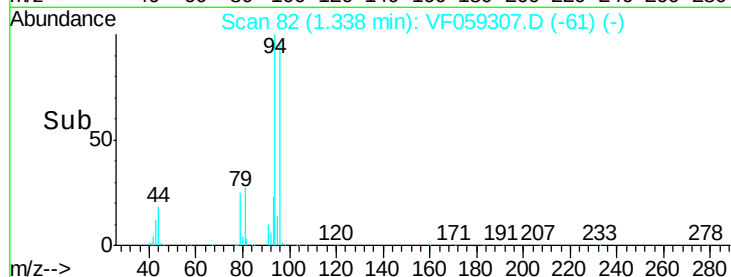
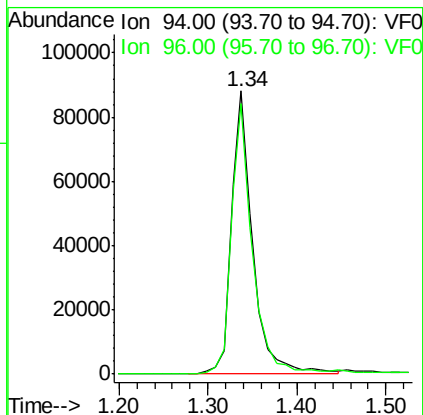
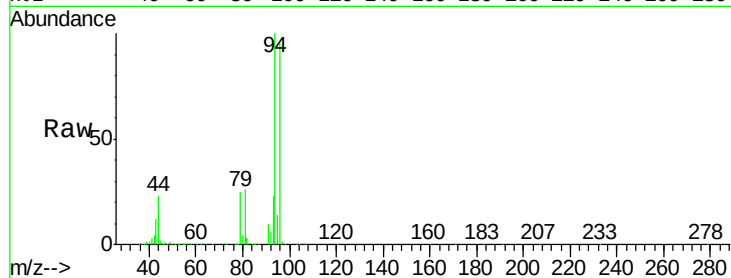
VSTDIC150

Tgt Ion: 94 Resp: 148747

Ion Ratio Lower Upper

94 100

96 95.4 73.4 110.0



#6

Chloroethane

Concen: 119.689 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF059307.D

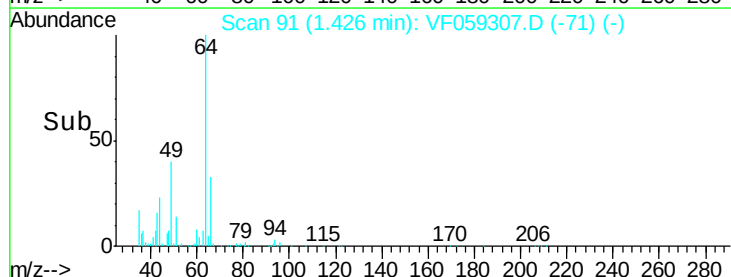
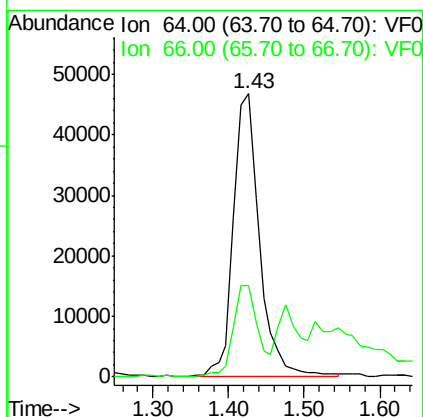
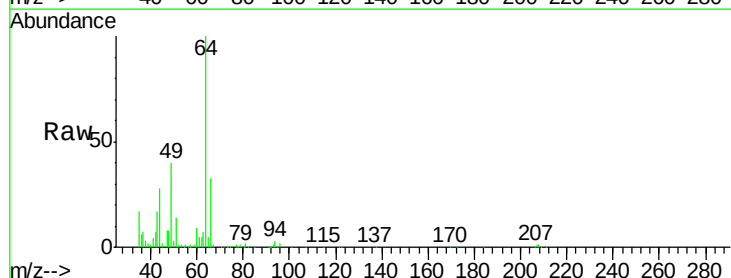
Acq: 25 Jun 2018 17:37

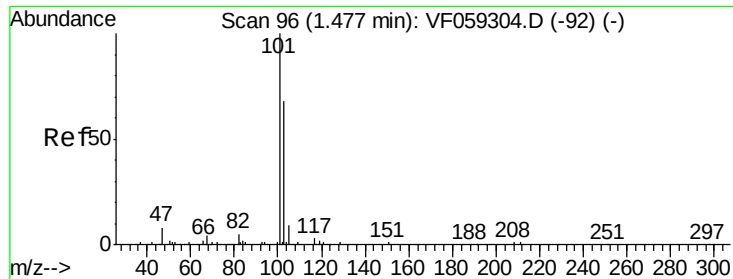
Tgt Ion: 64 Resp: 112030

Ion Ratio Lower Upper

64 100

66 32.5 23.9 35.9





#7

Trichlorofluoromethane

Concen: 33.762 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.00 min

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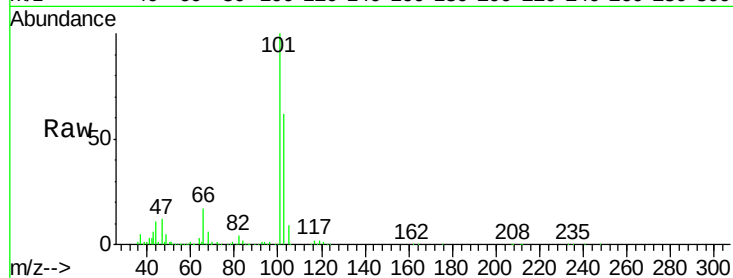
VSTDIC150

Tgt Ion:101 Resp: 126337

Ion Ratio Lower Upper

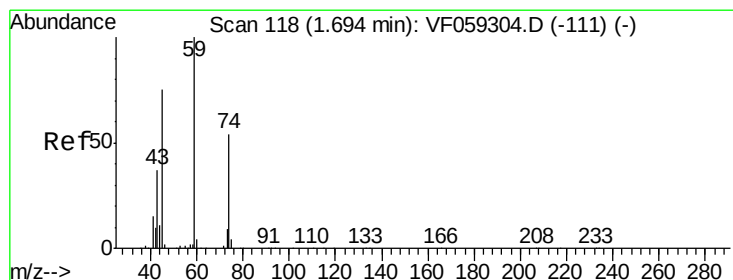
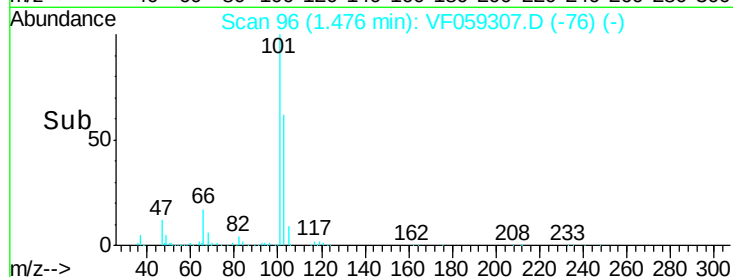
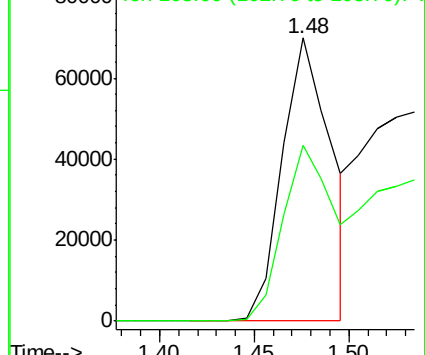
101 100

103 62.2 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 140.230 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.00 min

Lab File: VF059307.D

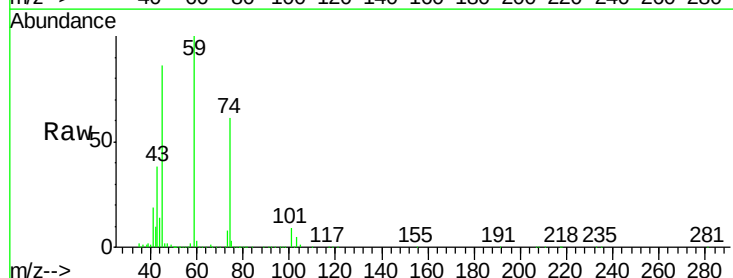
Acq: 25 Jun 2018 17:37

Tgt Ion: 74 Resp: 121554

Ion Ratio Lower Upper

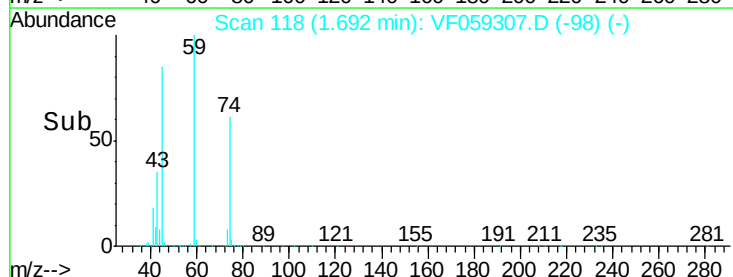
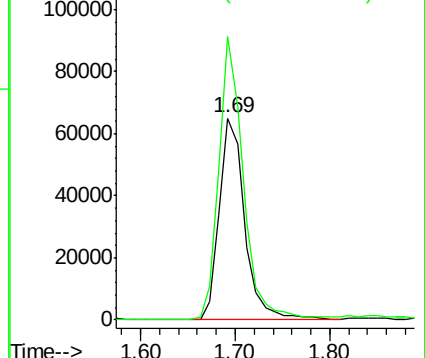
74 100

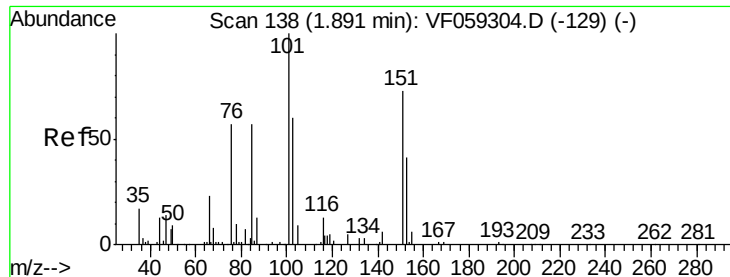
45 140.4 70.0 210.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 110.822 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

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VSTDIC150

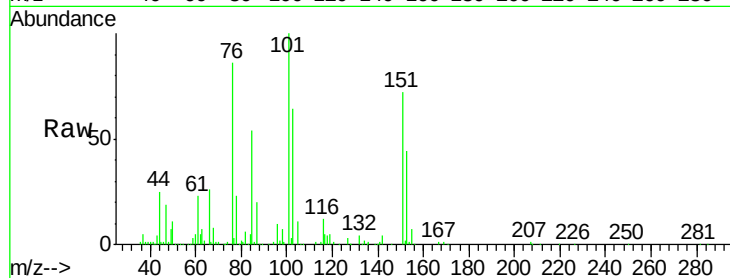
Tgt Ion:101 Resp: 234479

Ion Ratio Lower Upper

101 100

85 53.8 44.5 66.7

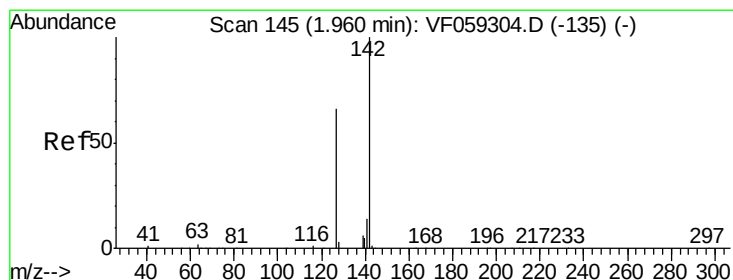
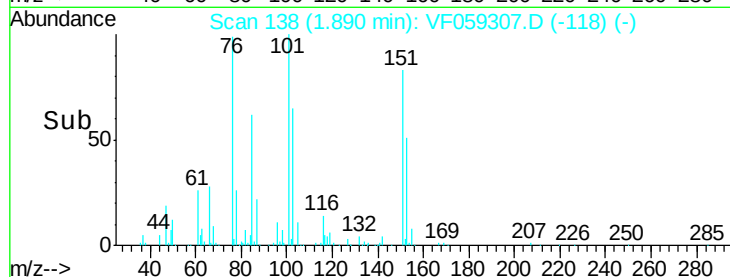
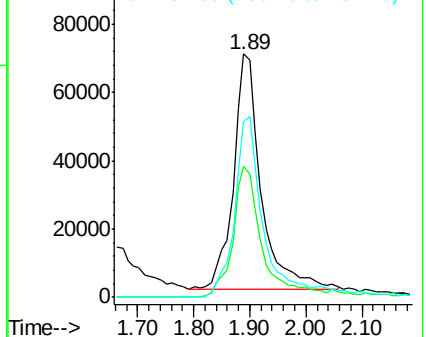
151 72.4 56.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 128.302 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

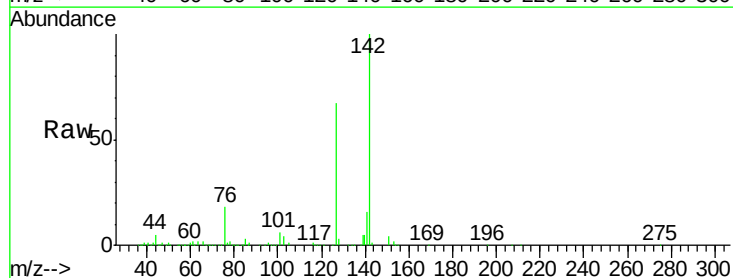
Tgt Ion:142 Resp: 497871

Ion Ratio Lower Upper

142 100

127 67.5 52.5 78.7

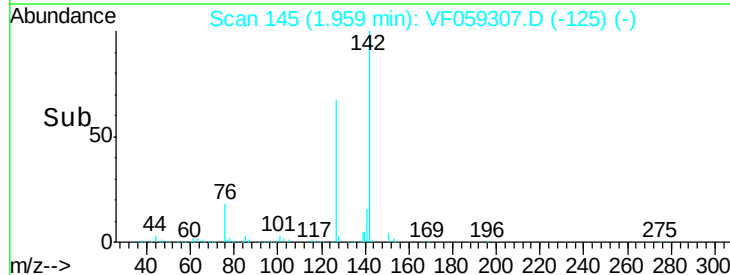
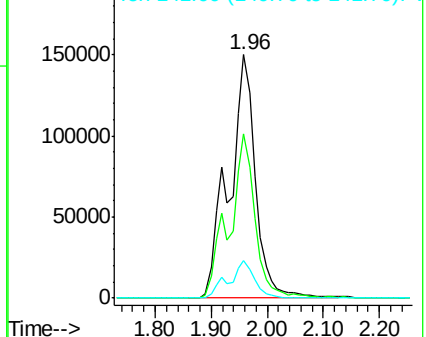
141 15.6 11.5 17.3

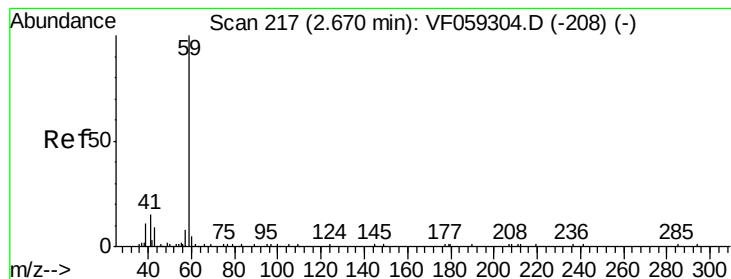


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



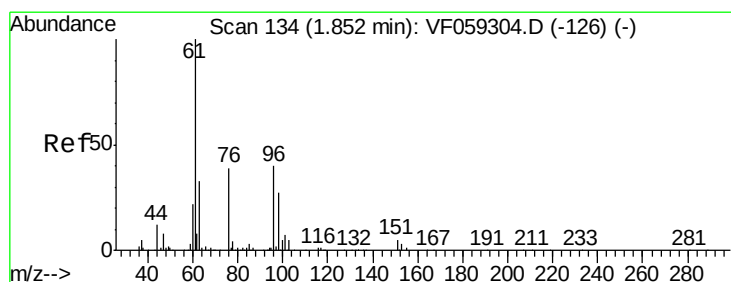
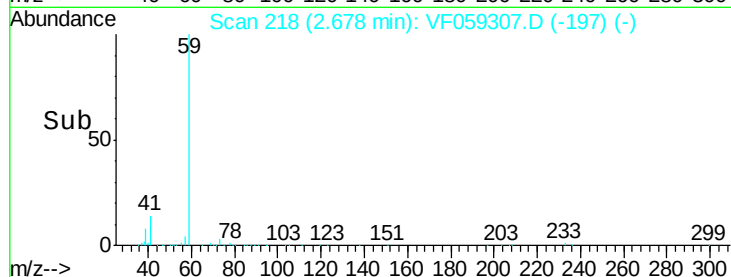
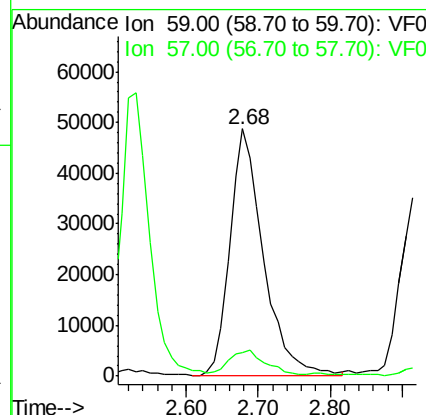
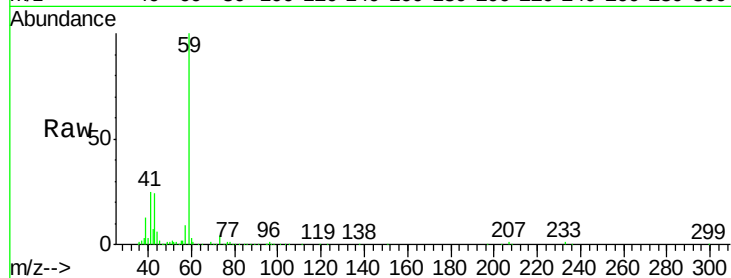


#11

Tert butyl alcohol
Concen: 672.065 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.01 min
Lab File: VF059307.D
Acq: 25 Jun 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

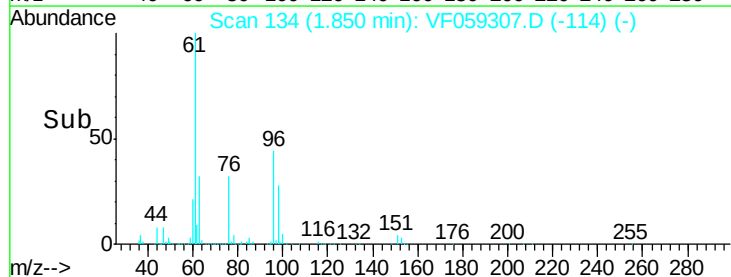
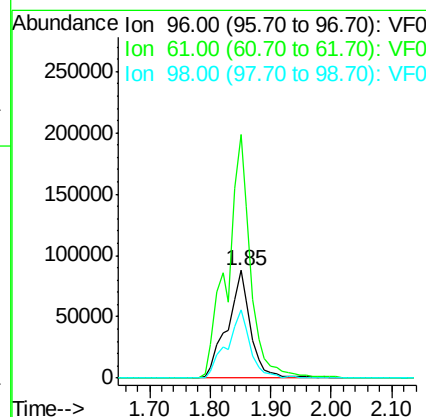
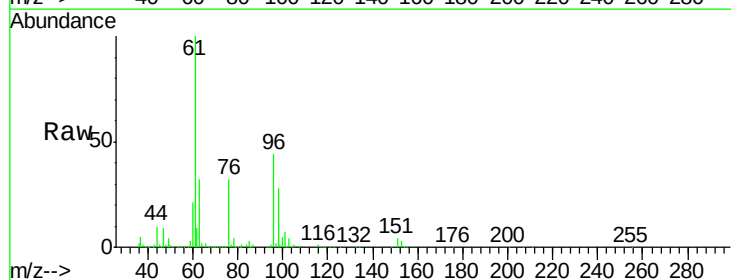
Tgt Ion: 59 Resp: 156160
Ion Ratio Lower Upper
59 100
57 9.4 11.0 16.4#

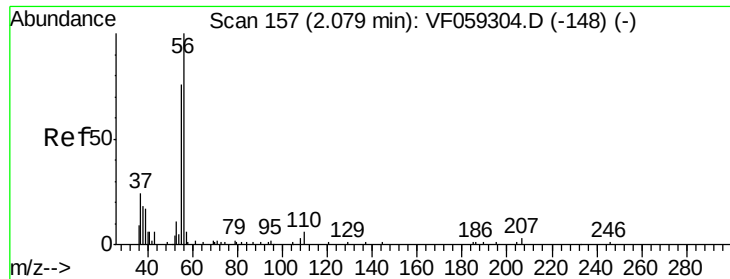


#12

1,1-Dichloroethene
Concen: 123.761 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059307.D
Acq: 25 Jun 2018 17:37

Tgt Ion: 96 Resp: 234434
Ion Ratio Lower Upper
96 100
61 225.7 201.1 301.7
98 63.9 53.9 80.9

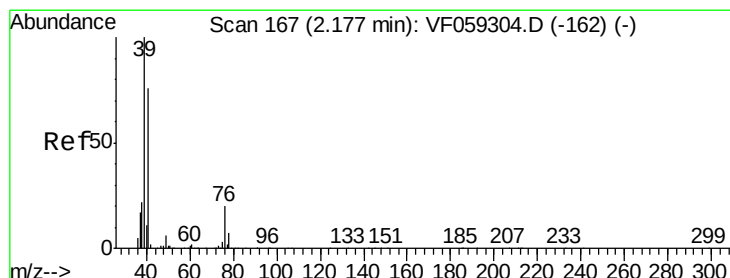
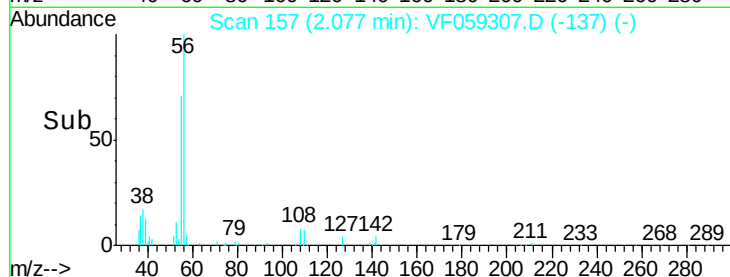
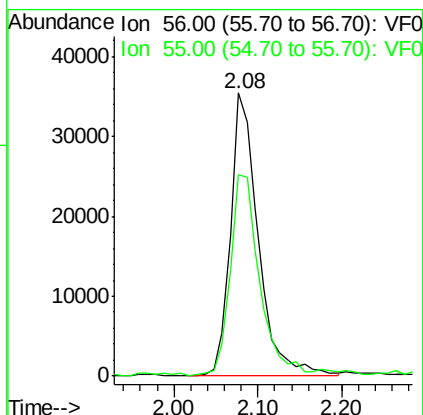
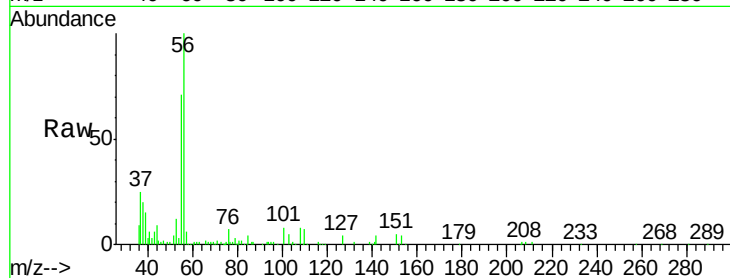




#13
Acrolein
Concen: 439.552 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF059307.D
Acq: 25 Jun 2018 17:37

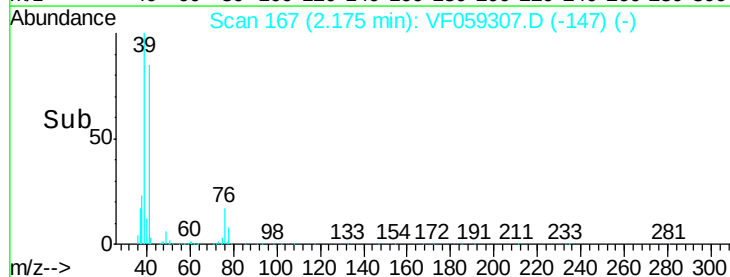
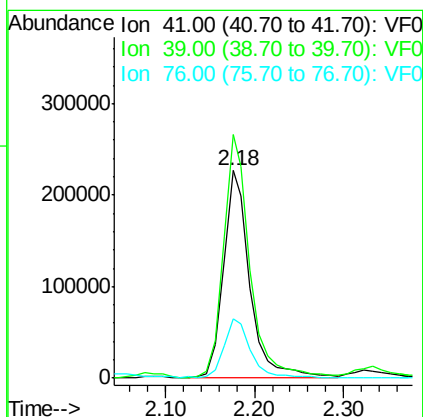
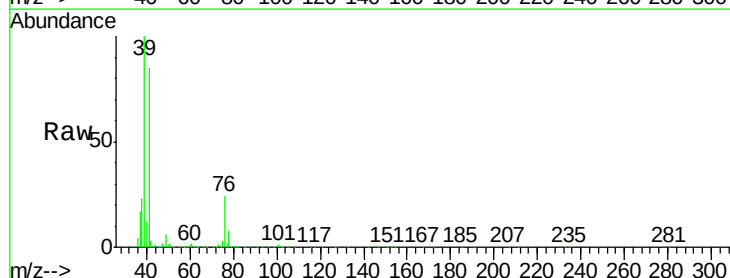
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

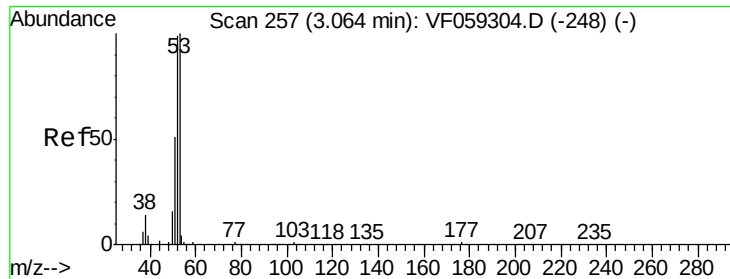
Tgt Ion: 56 Resp: 81426
Ion Ratio Lower Upper
56 100
55 71.3 62.4 93.6



#14
Allyl chloride
Concen: 133.340 ug/l
RT: 2.18 min Scan# 167
Delta R.T. -0.00 min
Lab File: VF059307.D
Acq: 25 Jun 2018 17:37

Tgt Ion: 41 Resp: 467284
Ion Ratio Lower Upper
41 100
39 117.4 105.6 158.4
76 28.4 21.6 32.4





#15

Acrylonitrile

Concen: 640.841 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC150

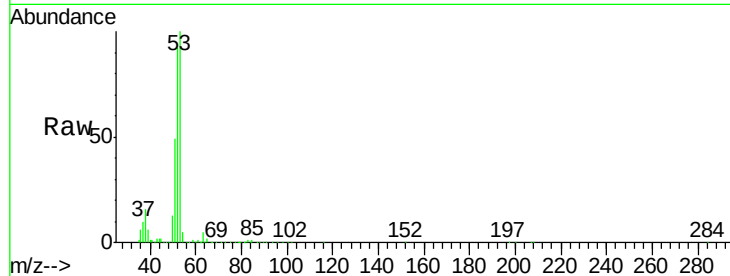
Tgt Ion: 53 Resp: 308008

Ion Ratio Lower Upper

53 100

52 91.9 79.2 118.8

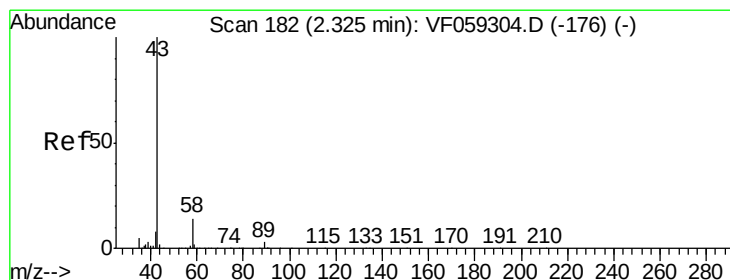
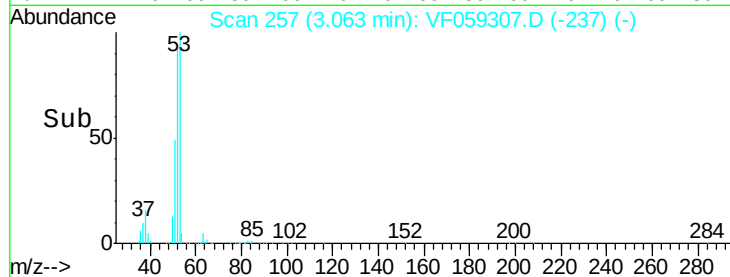
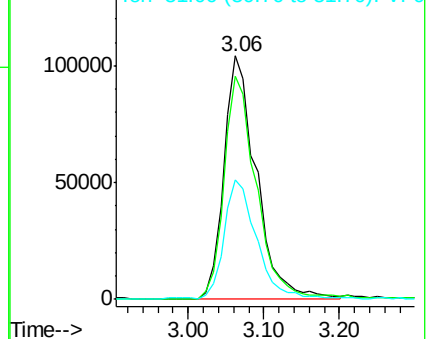
51 49.0 40.9 61.3



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 695.315 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF059307.D

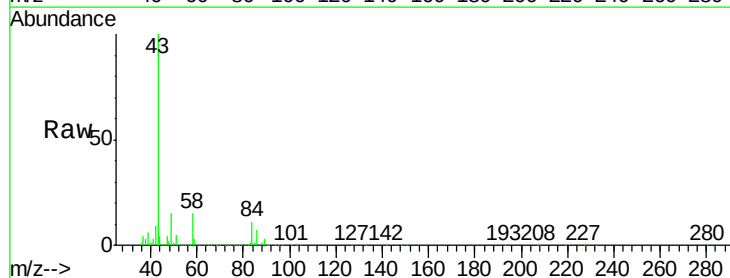
Acq: 25 Jun 2018 17:37

Tgt Ion: 43 Resp: 649042

Ion Ratio Lower Upper

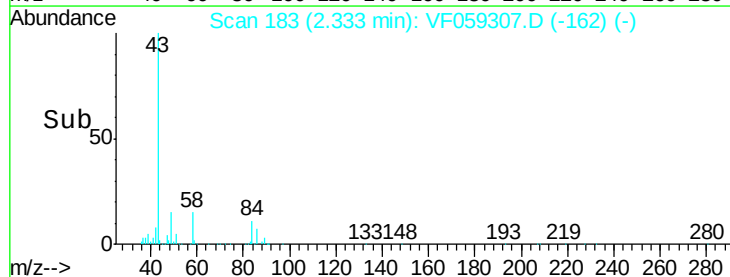
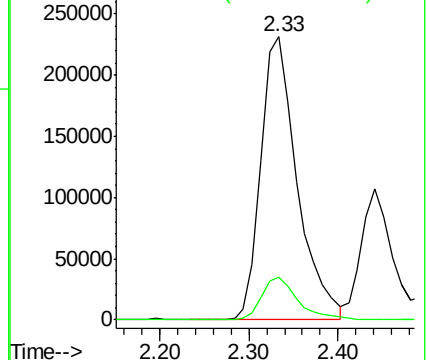
43 100

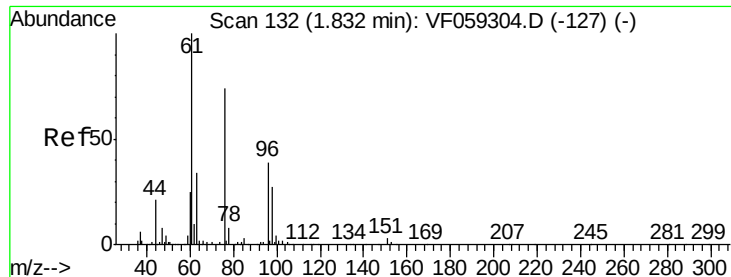
58 14.9 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 36.832 ug/l

RT: 1.83 min Scan# 132

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

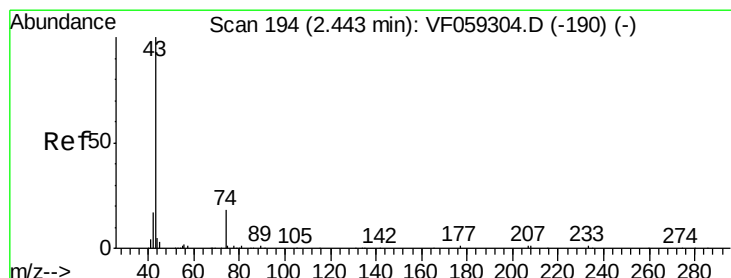
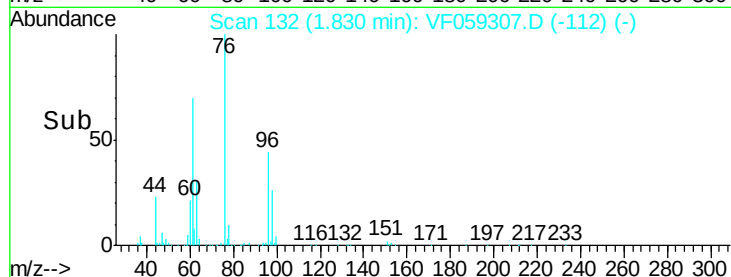
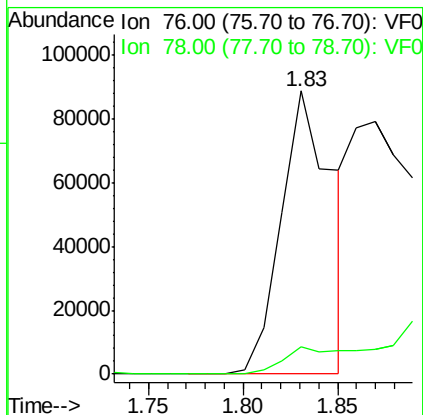
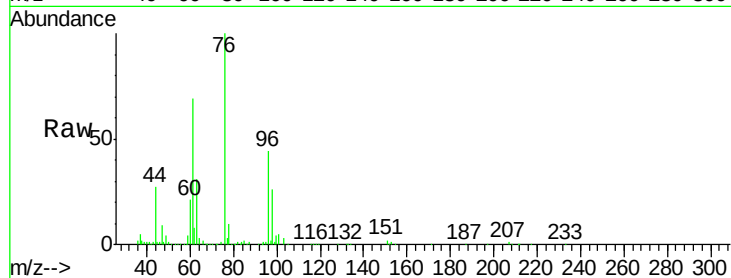
VSTDIC150

Tgt Ion: 76 Resp: 167921

Ion Ratio Lower Upper

76 100

78 9.6 8.9 13.3



#18

Methyl Acetate

Concen: 136.217 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.00 min

Lab File: VF059307.D

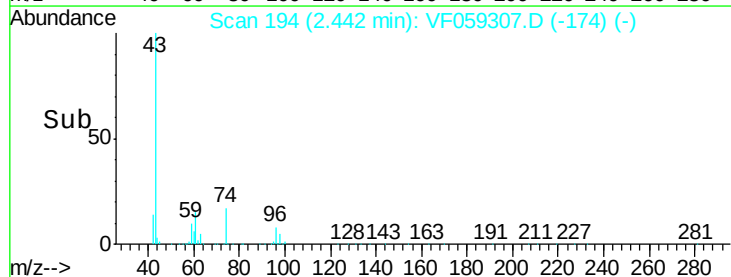
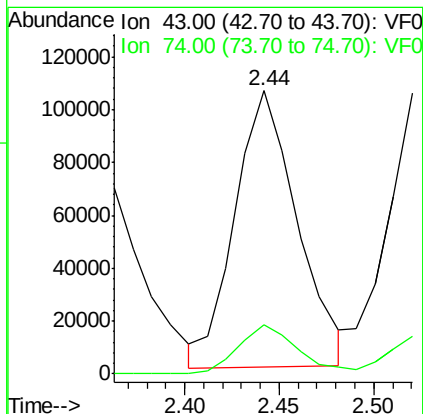
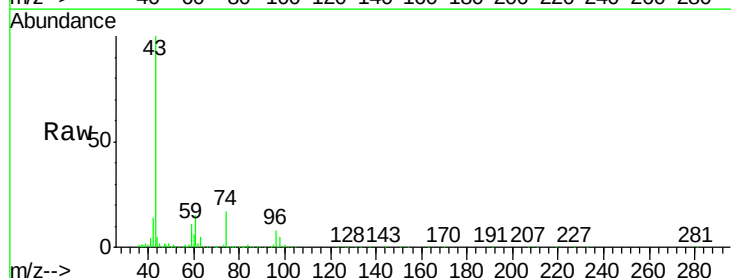
Acq: 25 Jun 2018 17:37

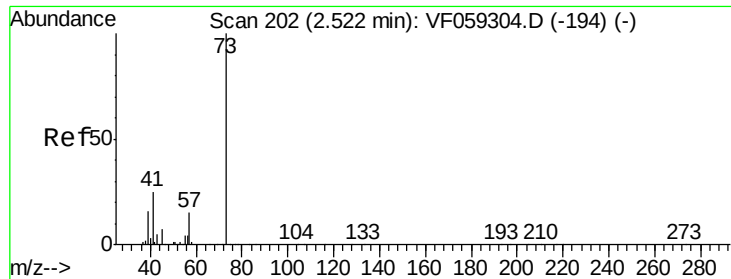
Tgt Ion: 43 Resp: 239655

Ion Ratio Lower Upper

43 100

74 17.3 13.3 19.9

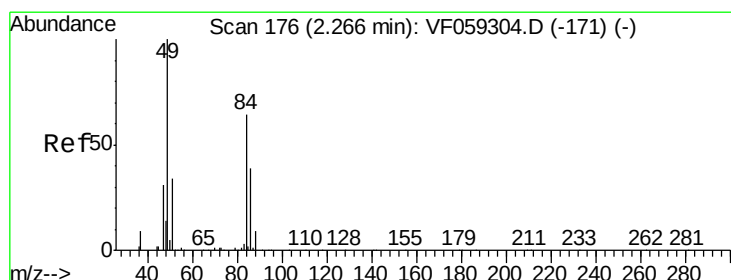
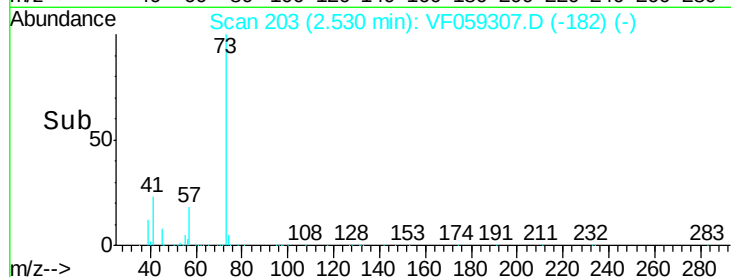
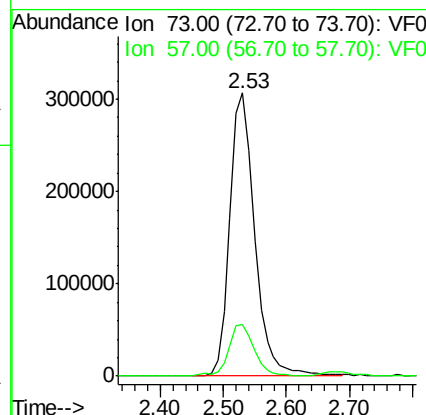
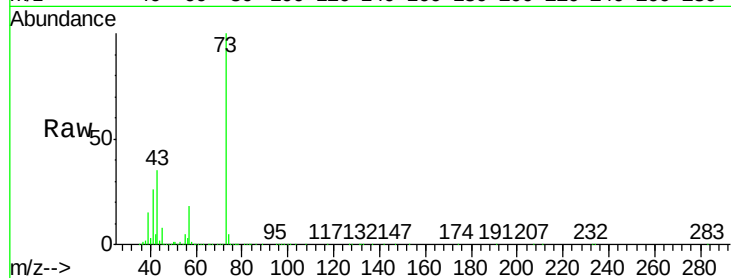




#19
Methyl tert-butyl Ether
Concen: 132.160 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.01 min
Lab File: VF059307.D
Acq: 25 Jun 2018 17:37

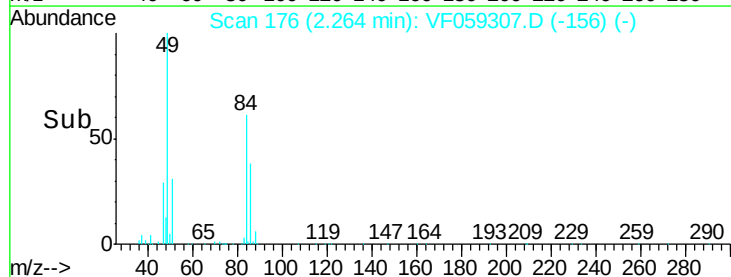
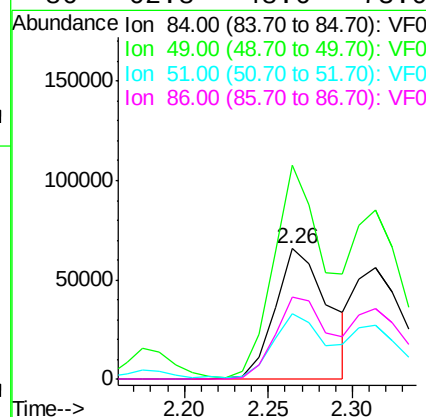
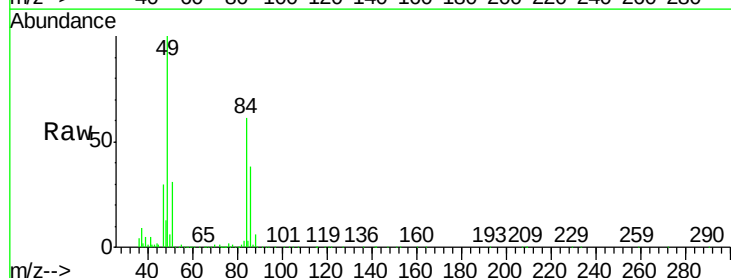
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

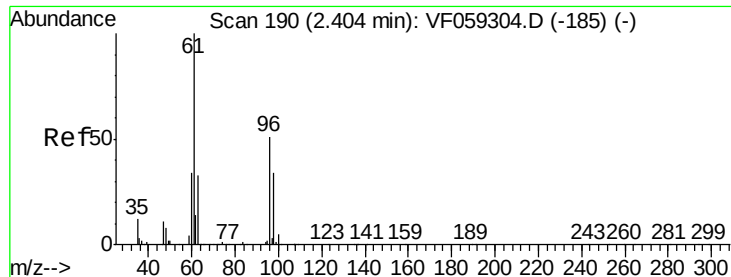
Tgt Ion: 73 Resp: 842876
Ion Ratio Lower Upper
73 100
57 18.2 12.3 18.5



#20
Methylene Chloride
Concen: 70.701 ug/l
RT: 2.26 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059307.D
Acq: 25 Jun 2018 17:37

Tgt Ion: 84 Resp: 143908
Ion Ratio Lower Upper
84 100
49 164.2 126.5 189.7
51 50.4 42.9 64.3
86 62.8 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 131.079 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

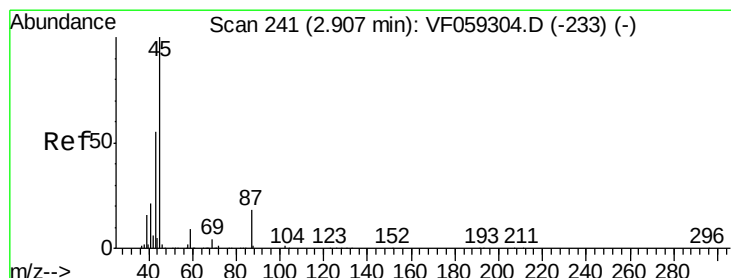
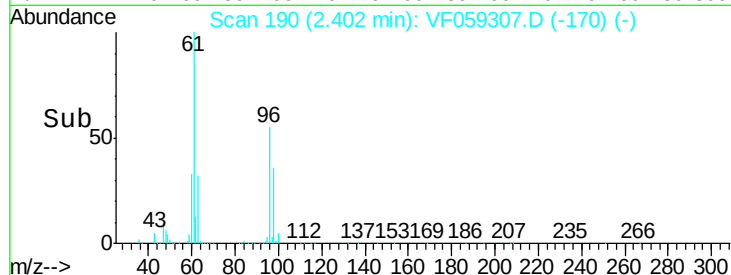
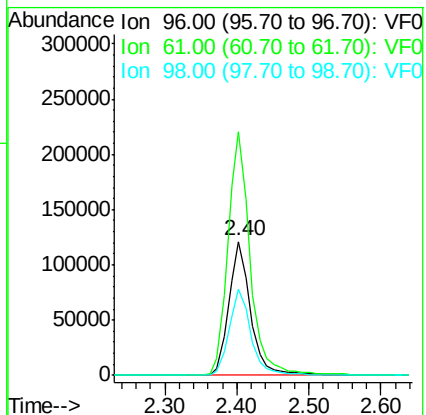
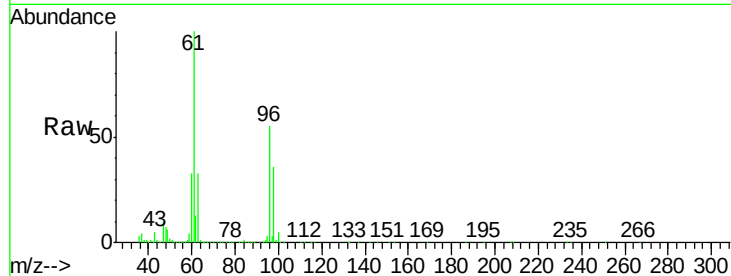
Tgt Ion: 96 Resp: 255298

Ion Ratio Lower Upper

96 100

61 181.7 157.4 236.2

98 64.6 53.7 80.5



#22

Diisopropyl ether

Concen: 135.784 ug/l

RT: 2.91 min Scan# 242

Delta R.T. 0.01 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Tgt Ion: 45 Resp: 989140

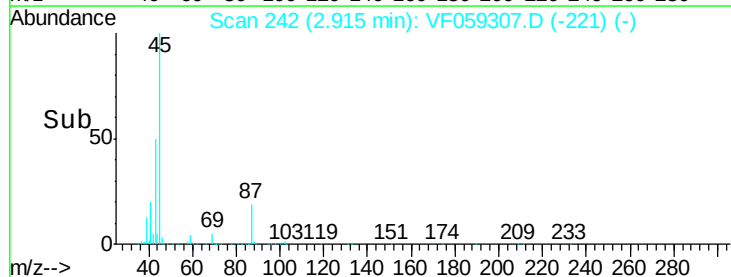
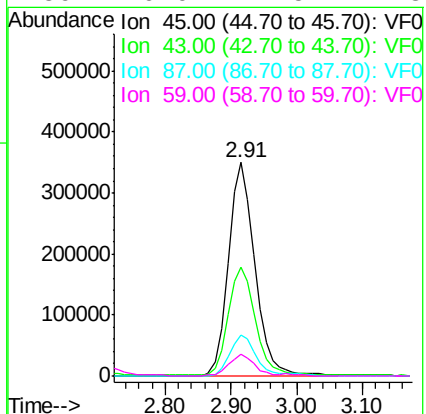
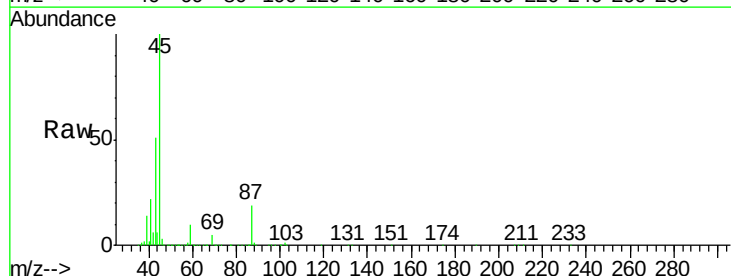
Ion Ratio Lower Upper

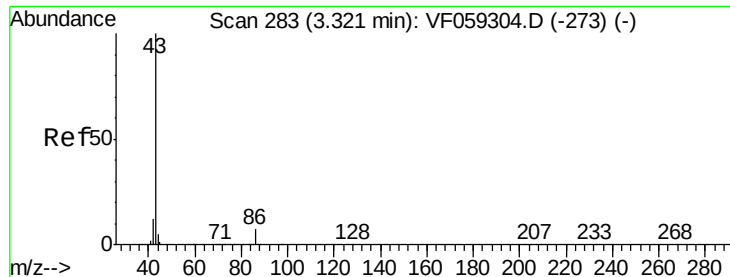
45 100

43 51.2 44.6 66.8

87 19.0 14.3 21.5

59 10.0 7.5 11.3





#23

Vinyl Acetate

Concen: 627.764 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

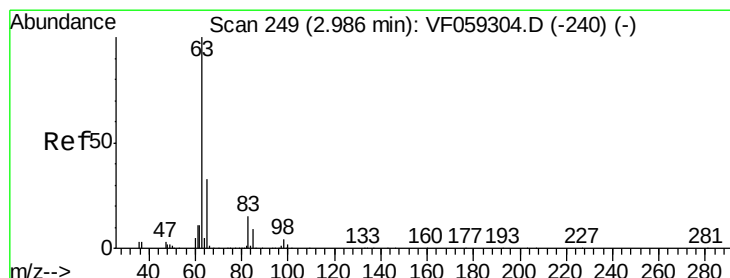
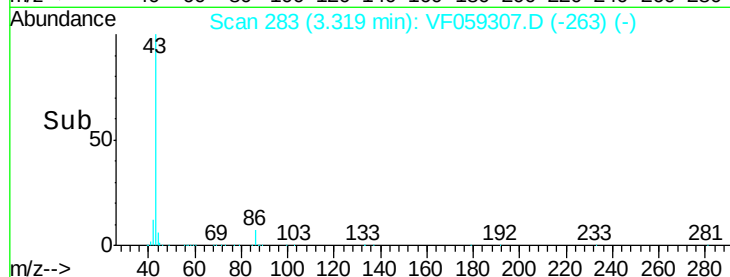
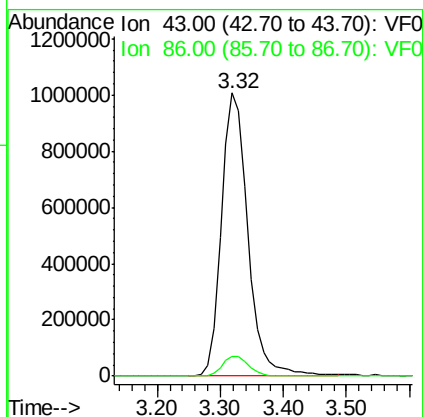
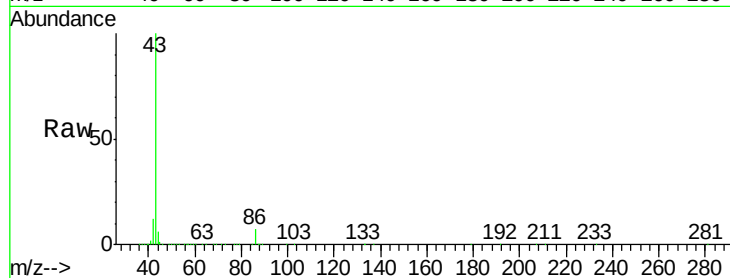
VSTDIC150

Tgt Ion: 43 Resp: 2929685

Ion Ratio Lower Upper

43 100

86 7.1 5.8 8.6



#24

1,1-Dichloroethane

Concen: 125.799 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.01 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

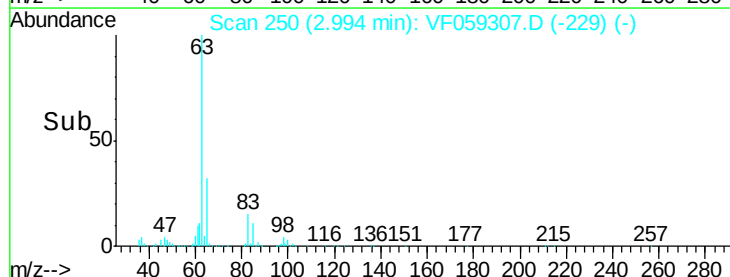
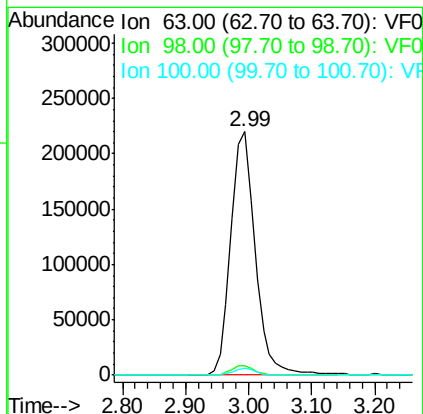
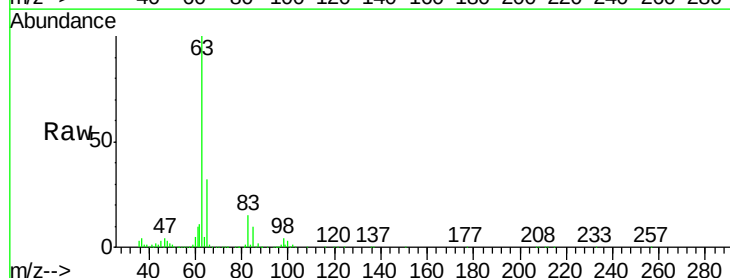
Tgt Ion: 63 Resp: 591810

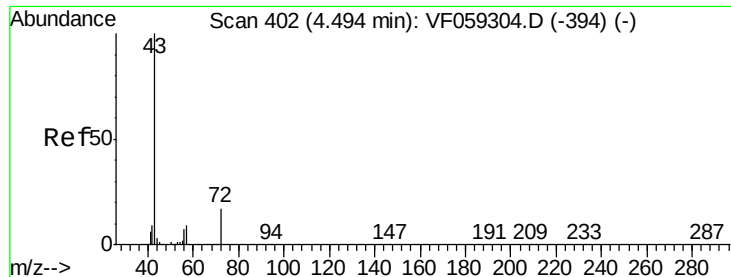
Ion Ratio Lower Upper

63 100

98 4.0 2.0 6.0

100 2.6 1.3 3.9





#25

2-Butanone

Concen: 665.389 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

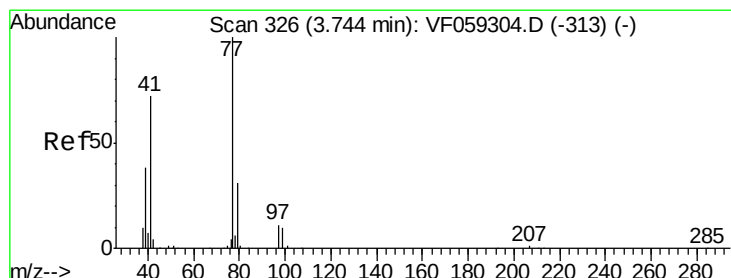
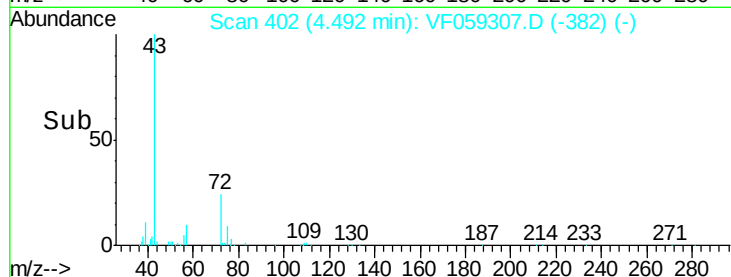
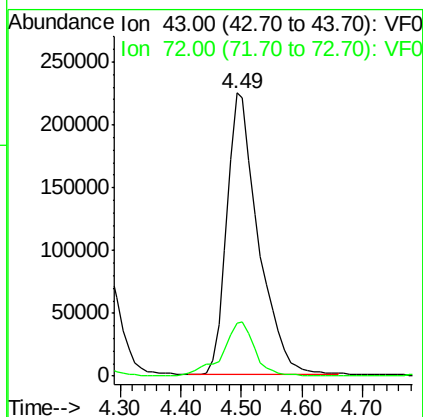
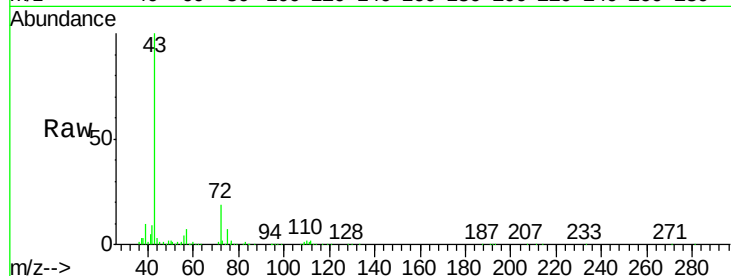
VSTDIC150

Tgt Ion: 43 Resp: 810701

Ion Ratio Lower Upper

43 100

72 18.9 14.4 21.6



#26

2,2-Dichloropropane

Concen: 115.880 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059307.D

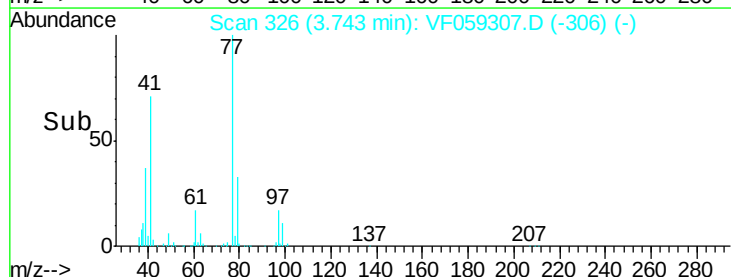
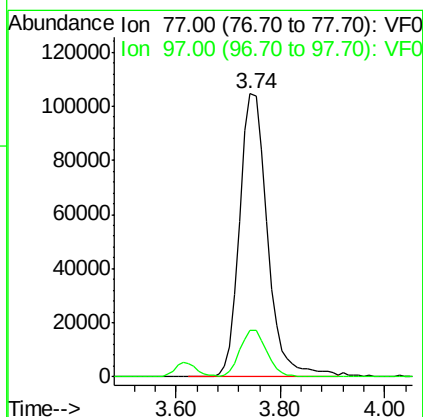
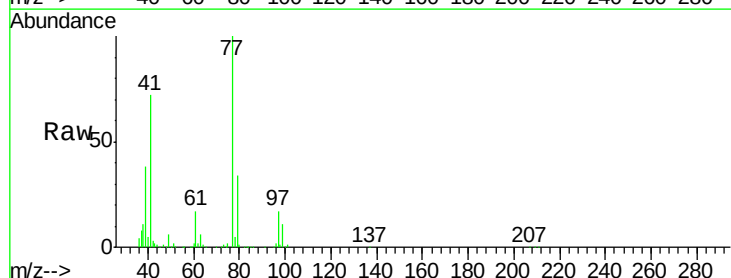
Acq: 25 Jun 2018 17:37

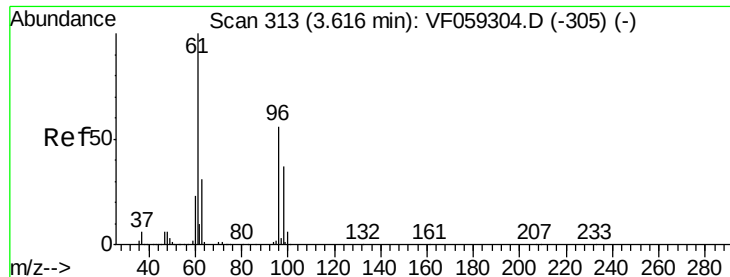
Tgt Ion: 77 Resp: 377859

Ion Ratio Lower Upper

77 100

97 16.5 8.0 23.8



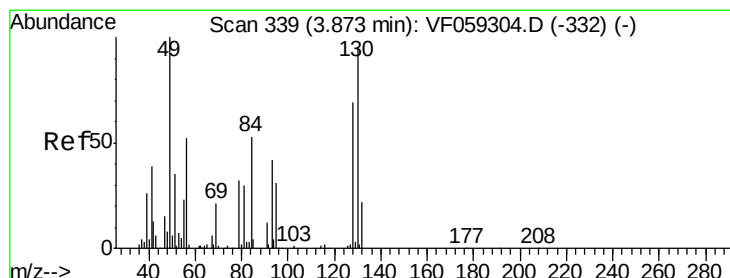
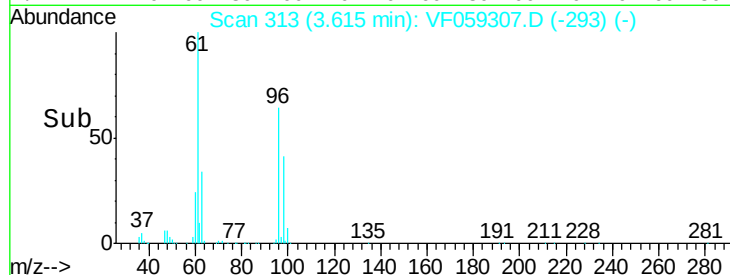
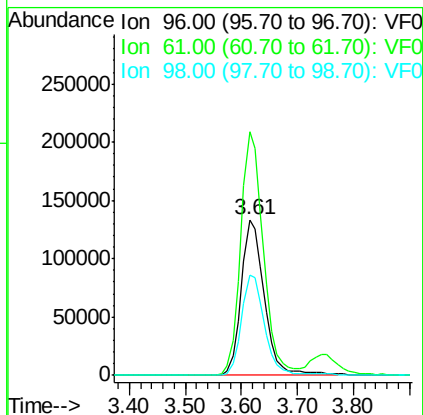
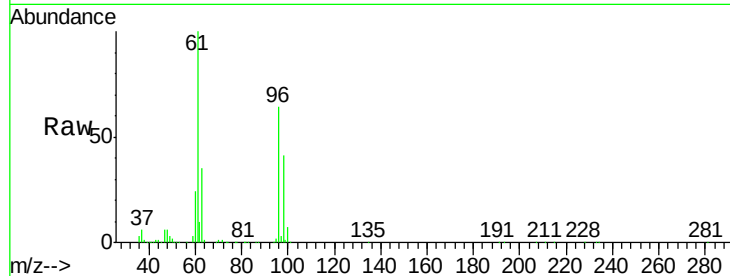


#27

cis-1,2-Dichloroethene
 Concen: 128.496 ug/l
 RT: 3.61 min Scan# 313
 Delta R.T. -0.00 min
 Lab File: VF059307.D
 Acq: 25 Jun 2018 17:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

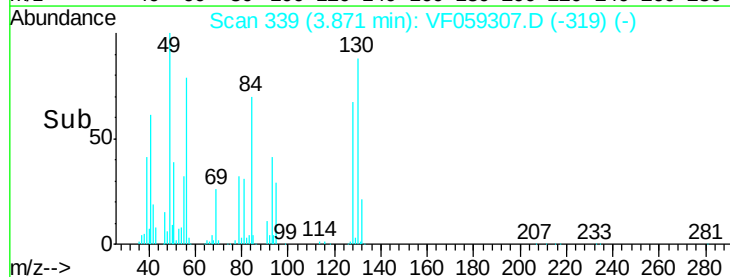
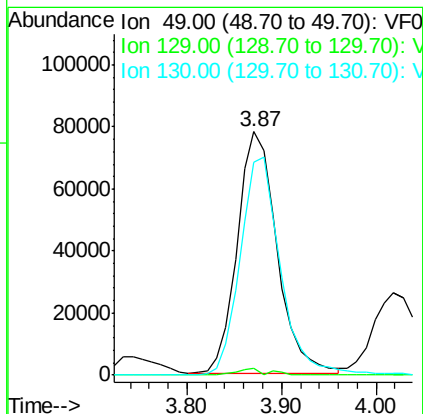
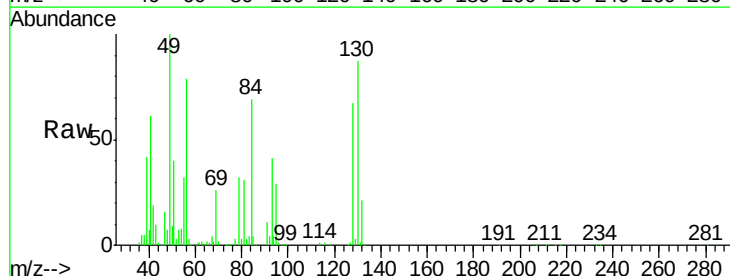
Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.6	0.0	355.4
98	64.3	0.0	131.0

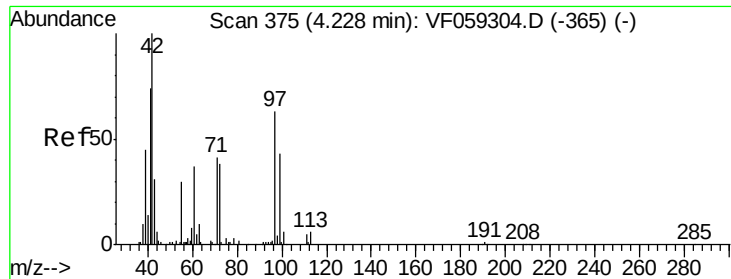


#28

Bromochloromethane
 Concen: 115.609 ug/l
 RT: 3.87 min Scan# 339
 Delta R.T. -0.00 min
 Lab File: VF059307.D
 Acq: 25 Jun 2018 17:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	6.4
130	87.3	75.1	112.7





#29

Tetrahydrofuran

Concen: 614.315 ug/l

RT: 4.24 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

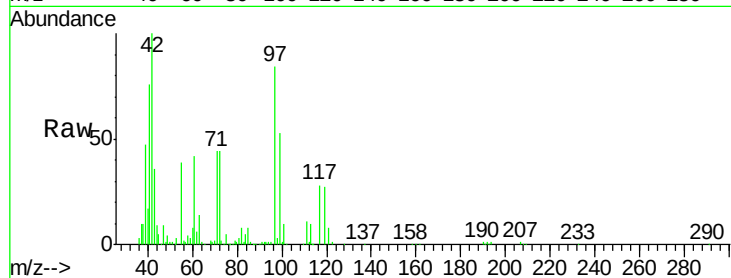
Tgt Ion: 42 Resp: 335440

Ion Ratio Lower Upper

42 100

72 39.0 30.5 45.7

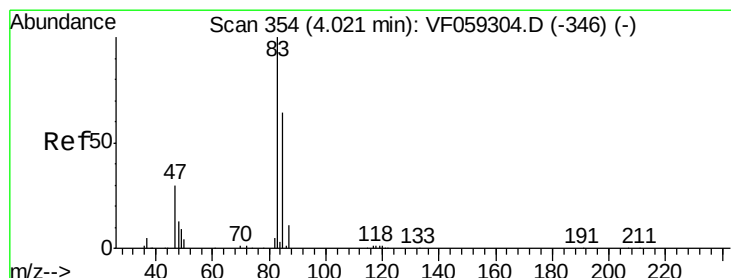
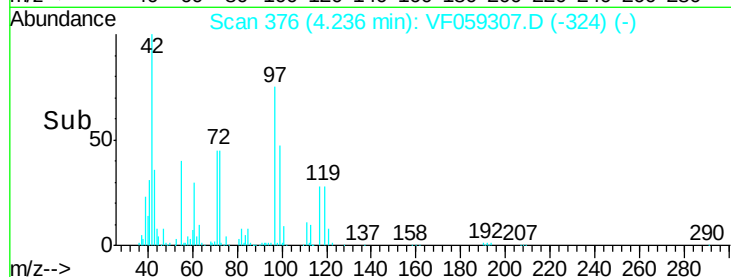
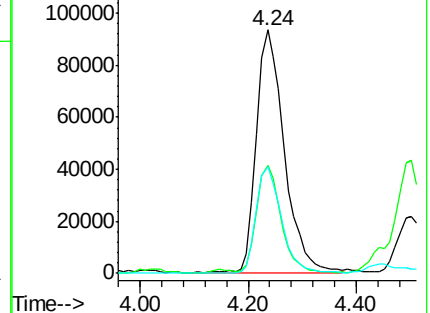
71 39.6 32.5 48.7



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 124.060 ug/l

RT: 4.02 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF059307.D

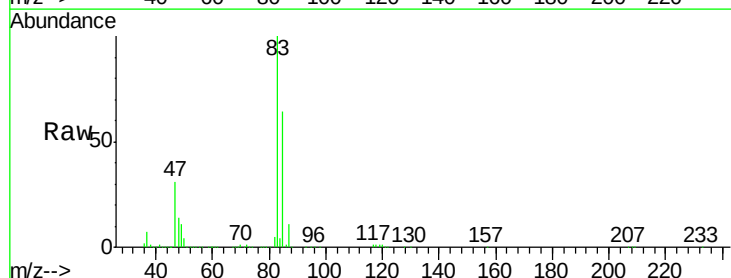
Acq: 25 Jun 2018 17:37

Tgt Ion: 83 Resp: 843550

Ion Ratio Lower Upper

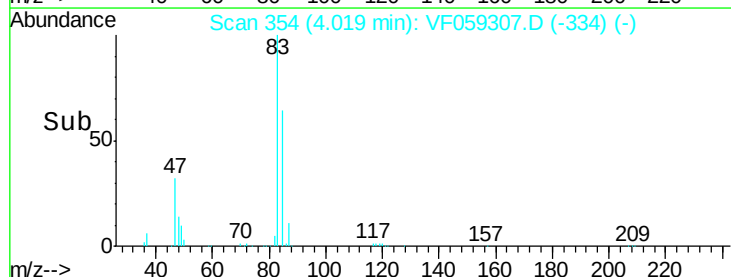
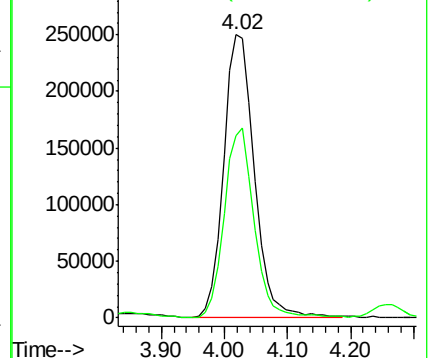
83 100

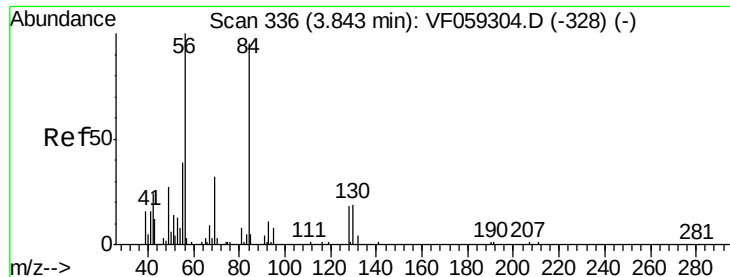
85 64.2 51.3 76.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 120.245 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

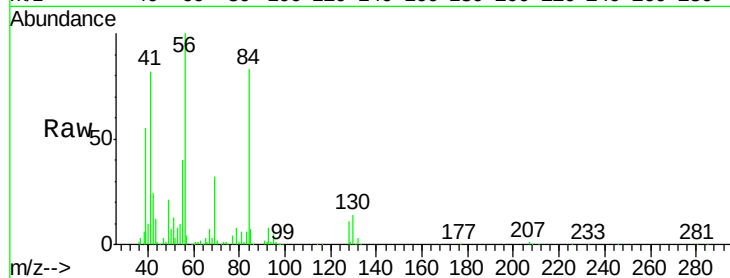
Tgt Ion: 56 Resp: 383285

Ion Ratio Lower Upper

56 100

69 32.1 25.8 38.8

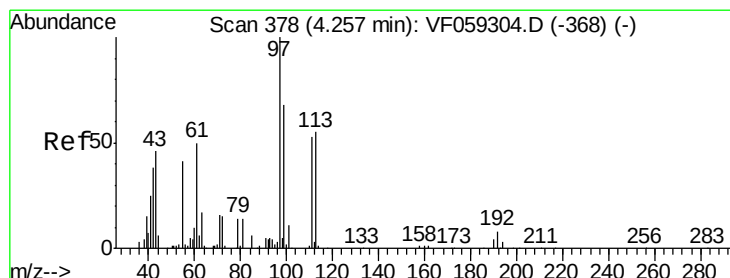
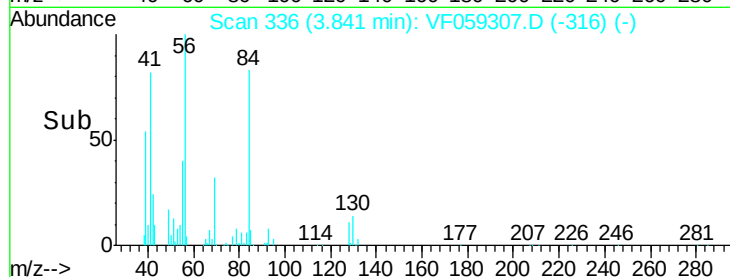
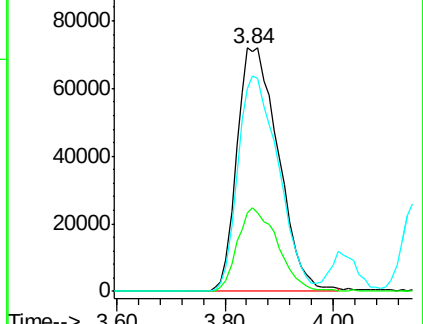
84 83.3 75.6 113.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 115.969 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

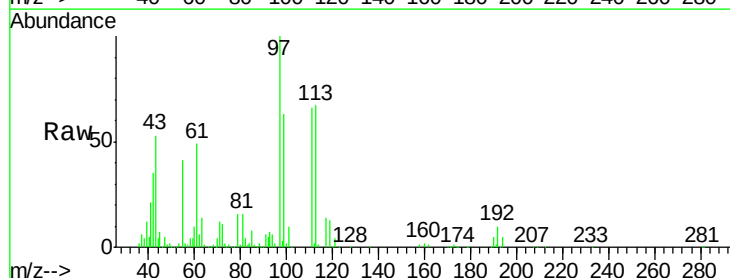
Tgt Ion: 97 Resp: 591425

Ion Ratio Lower Upper

97 100

99 63.4 54.1 81.1

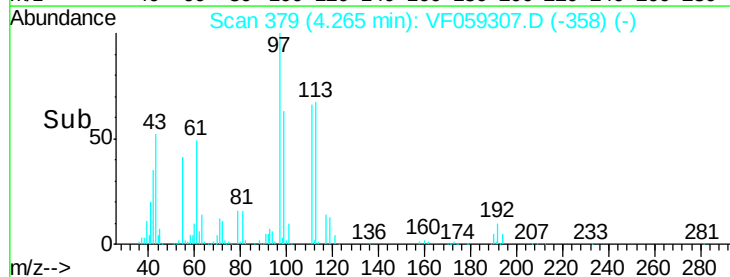
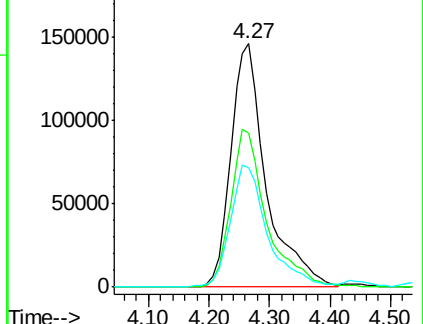
61 49.1 41.2 61.8

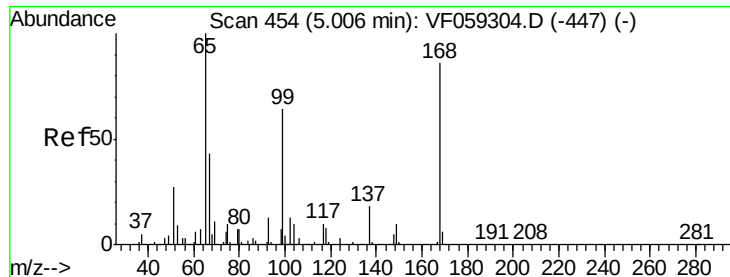


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

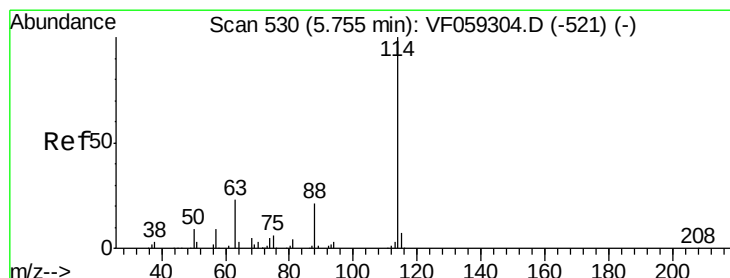
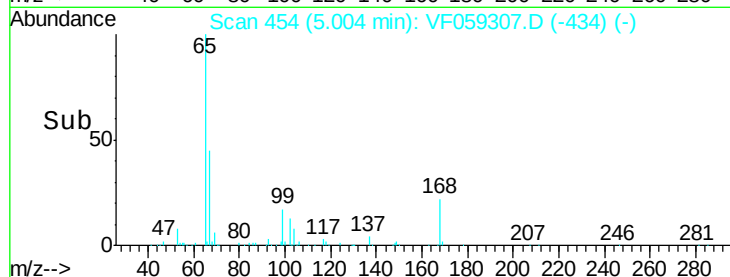
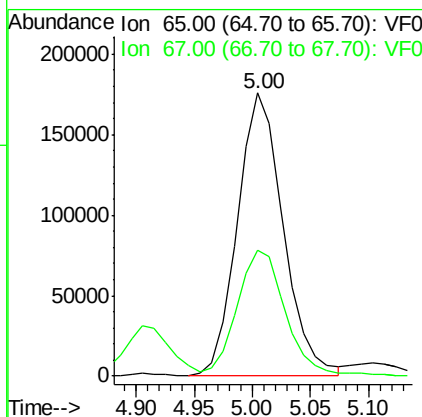
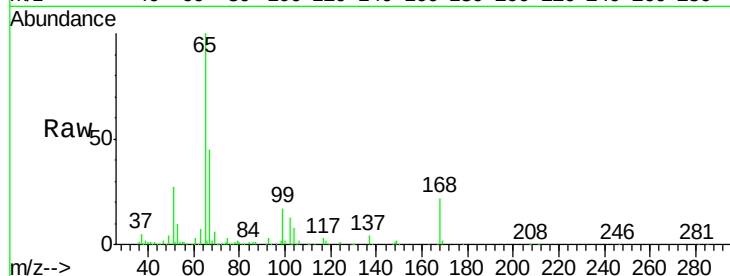




#33
 1,2-Dichloroethane-d4
 Concen: 124.646 ug/l
 RT: 5.00 min Scan# 454
 Delta R.T. -0.00 min
 Lab File: VF059307.D
 Acq: 25 Jun 2018 17:37

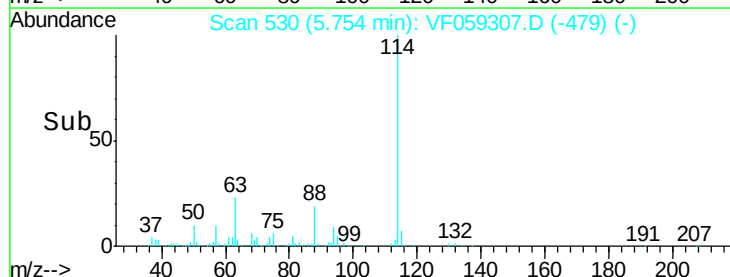
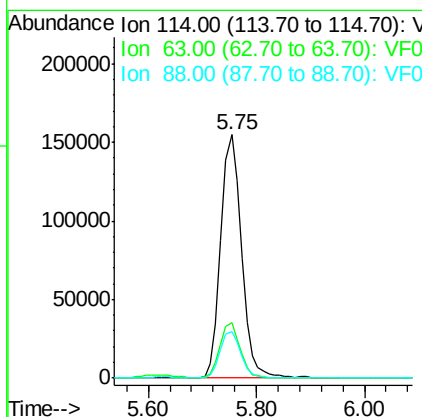
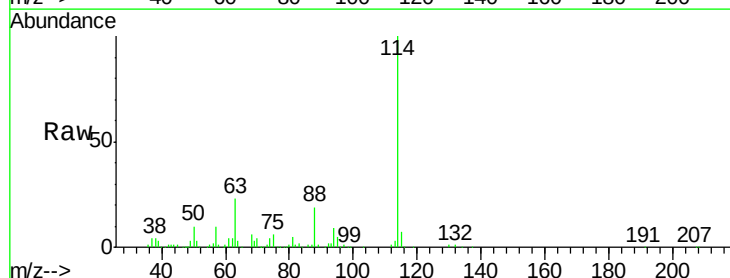
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

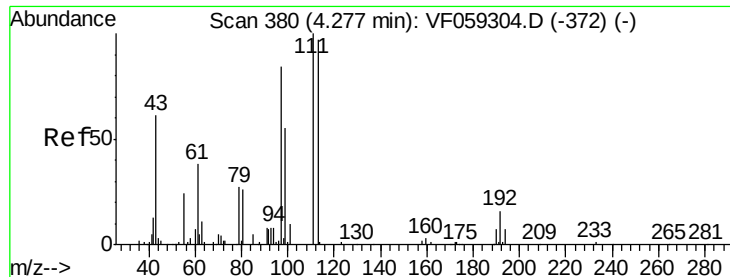
Tgt Ion: 65 Resp: 476793
 Ion Ratio Lower Upper
 65 100
 67 44.5 0.0 96.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VF059307.D
 Acq: 25 Jun 2018 17:37

Tgt Ion: 114 Resp: 413972
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.8
 88 19.3 0.0 41.2





#35

Dibromofluoromethane

Concen: 120.057 ug/l

RT: 4.28 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

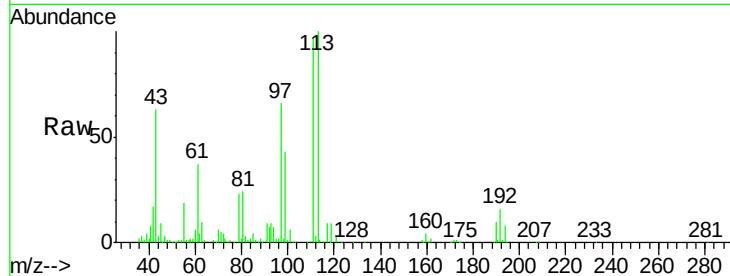
Tgt Ion:113 Resp: 408332

Ion Ratio Lower Upper

113 100

111 97.3 82.1 123.1

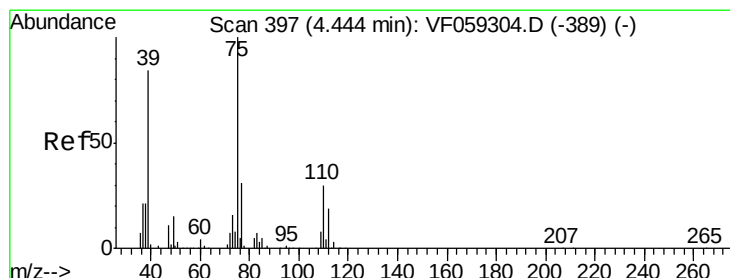
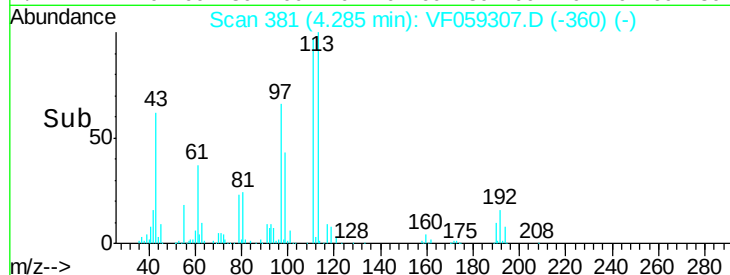
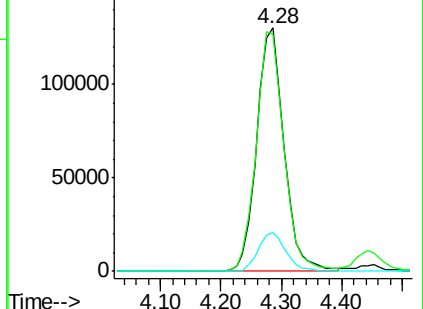
192 16.2 13.0 19.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 126.519 ug/l

RT: 4.44 min Scan# 397

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

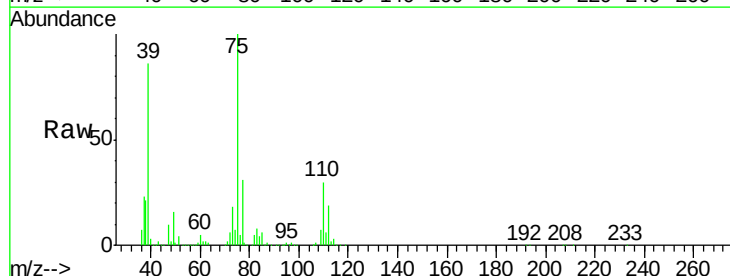
Tgt Ion: 75 Resp: 530223

Ion Ratio Lower Upper

75 100

110 29.6 14.8 44.4

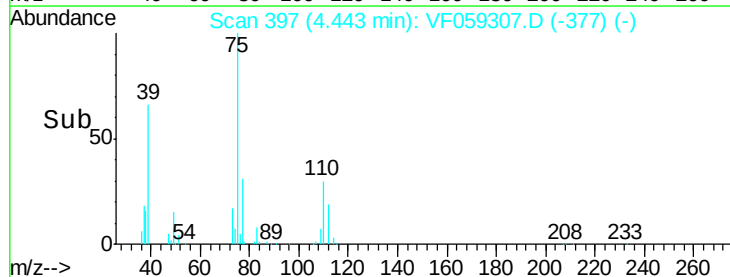
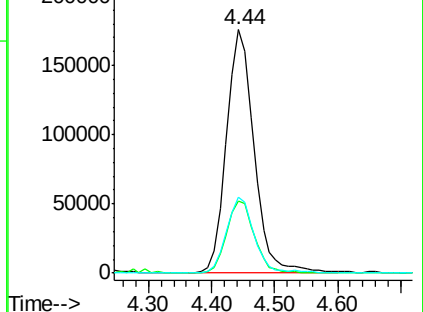
77 31.2 25.2 37.8

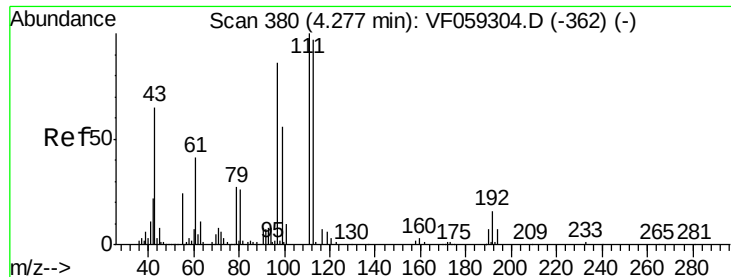


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 126.144 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

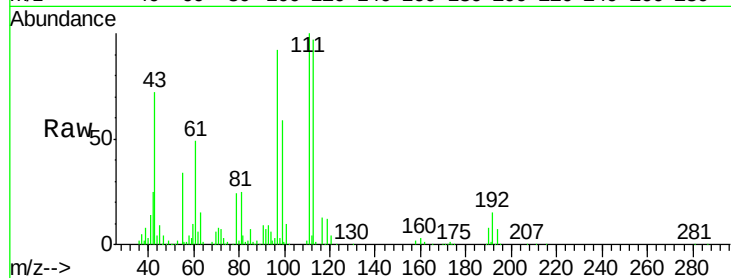
Tgt Ion: 43 Resp: 347558

Ion Ratio Lower Upper

43 100

61 68.7 50.1 75.1

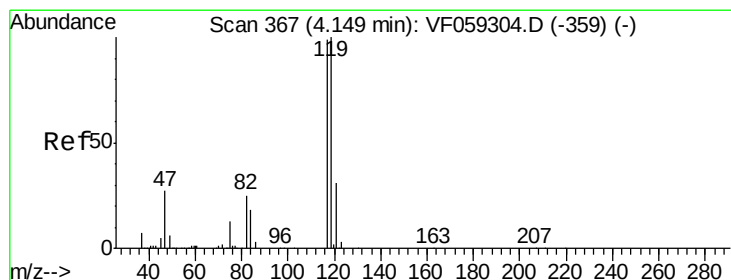
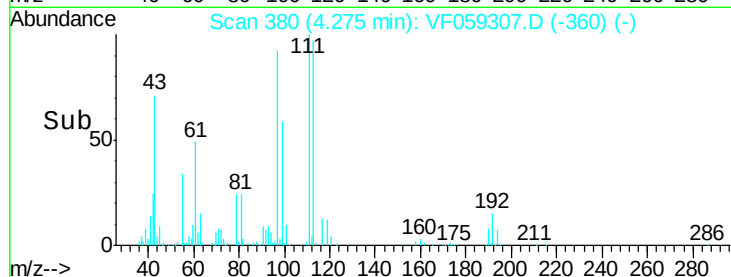
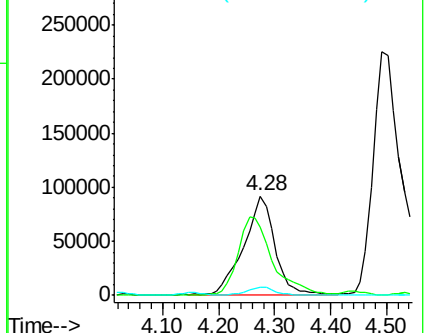
70 8.1 6.2 9.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 137.090 ug/l

RT: 4.16 min Scan# 368

Delta R.T. 0.01 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

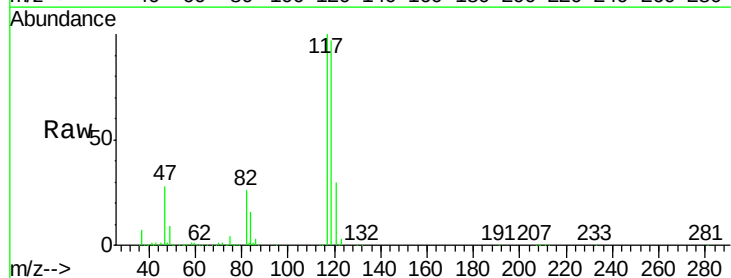
Tgt Ion: 117 Resp: 708745

Ion Ratio Lower Upper

117 100

119 96.6 81.0 121.4

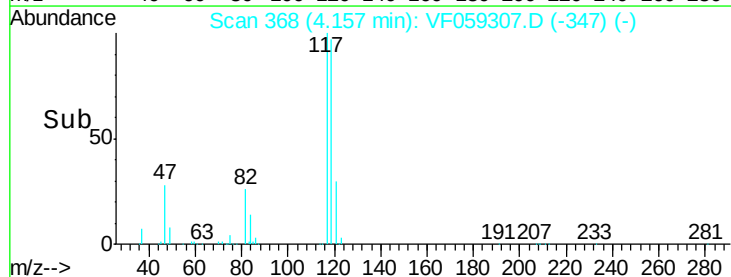
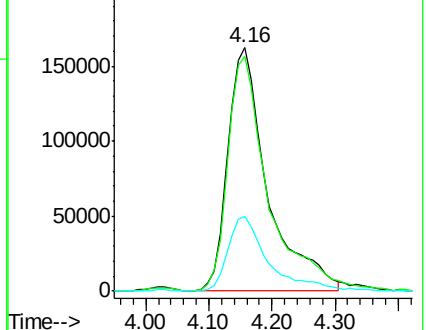
121 30.5 24.7 37.1

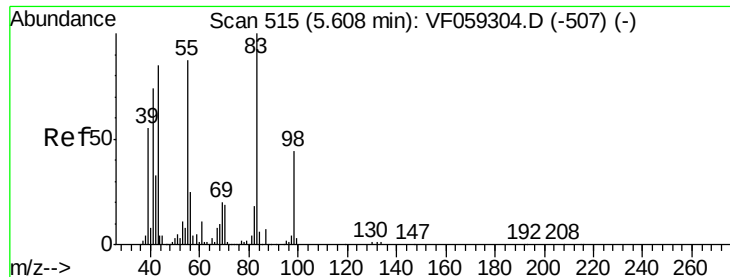


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

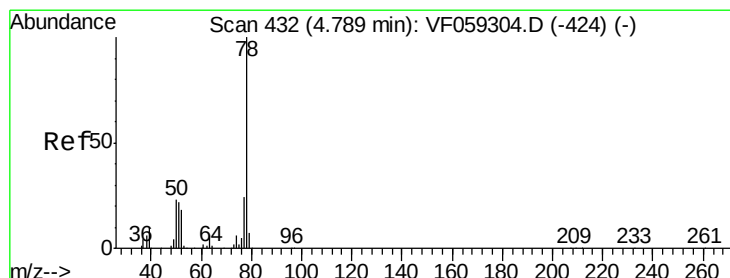
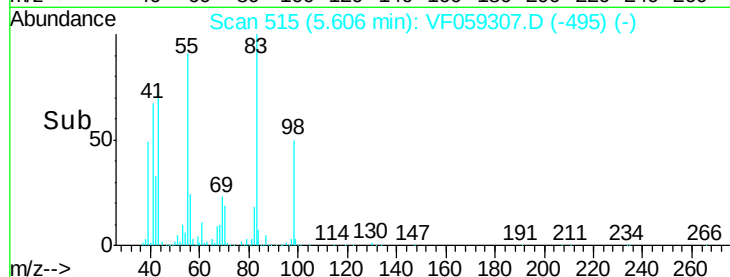
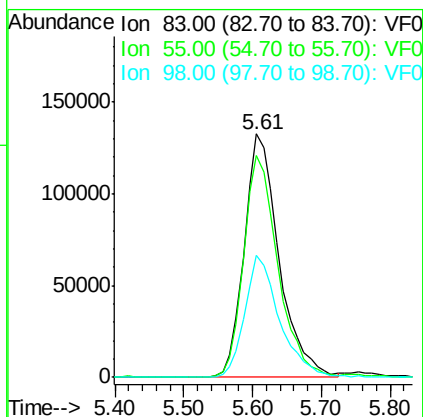
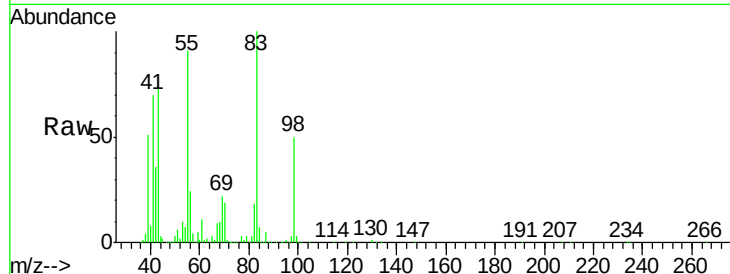




#39
Methylcyclohexane
Concen: 123.699 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.00 min
Lab File: VF059307.D
Acq: 25 Jun 2018 17:37

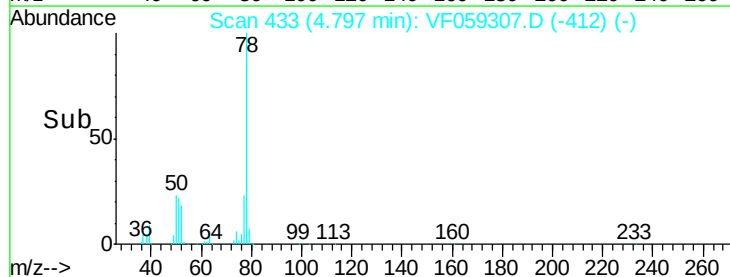
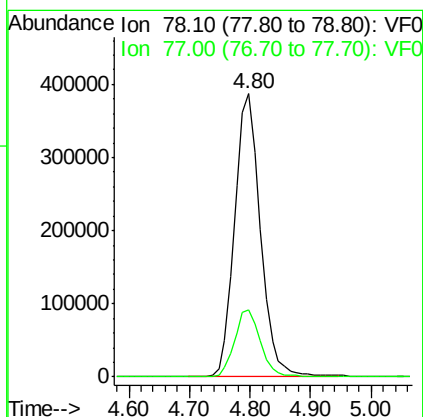
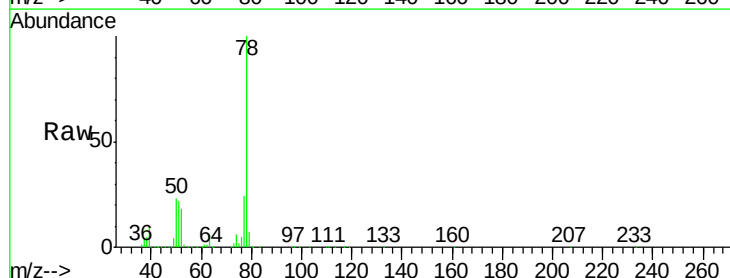
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

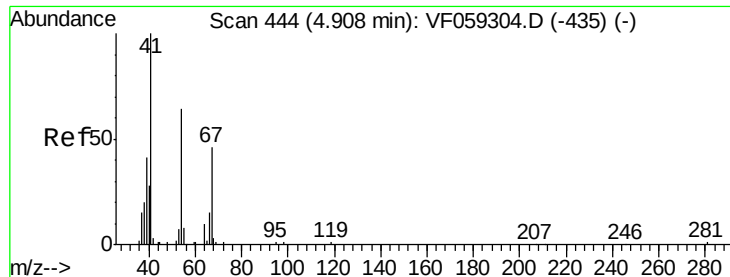
Tgt Ion: 83 Resp: 466133
Ion Ratio Lower Upper
83 100
55 91.3 69.2 103.8
98 50.2 35.0 52.6



#40
Benzene
Concen: 128.441 ug/l
RT: 4.80 min Scan# 433
Delta R.T. 0.01 min
Lab File: VF059307.D
Acq: 25 Jun 2018 17:37

Tgt Ion: 78 Resp: 1151387
Ion Ratio Lower Upper
78 100
77 23.5 19.6 29.4

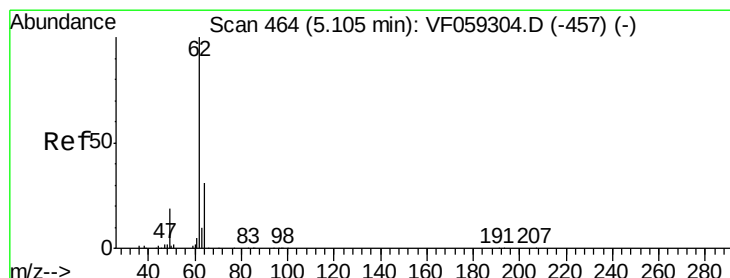
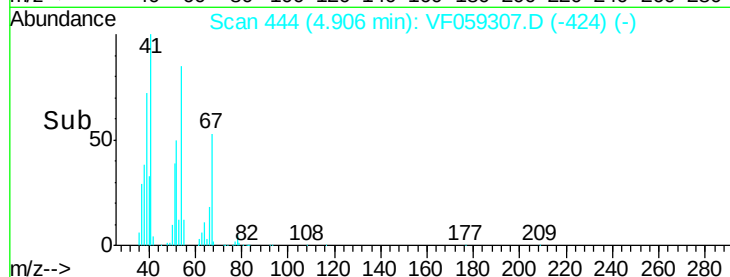
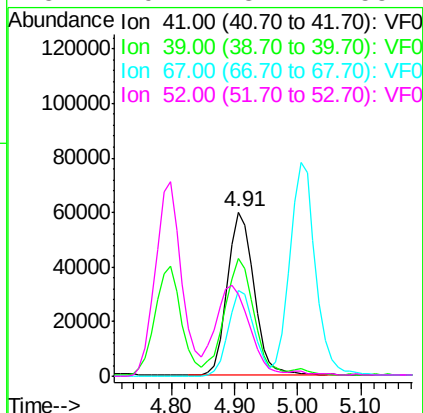
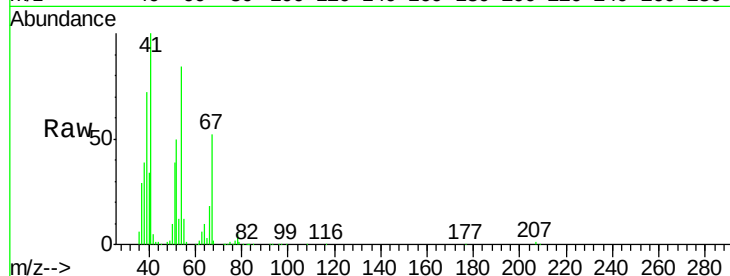




#41
Methacrylonitrile
Concen: 133.326 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.00 min
Lab File: VF059307.D
Acq: 25 Jun 2018 17:37

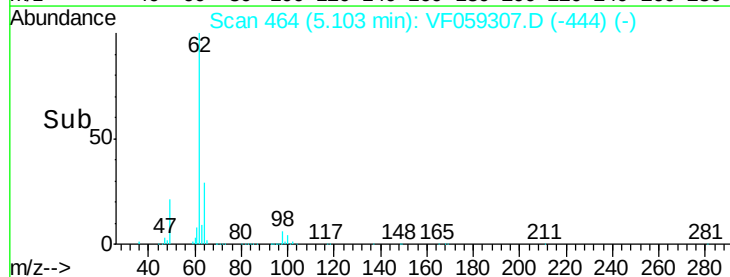
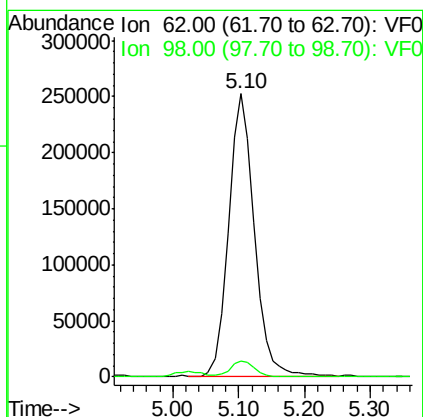
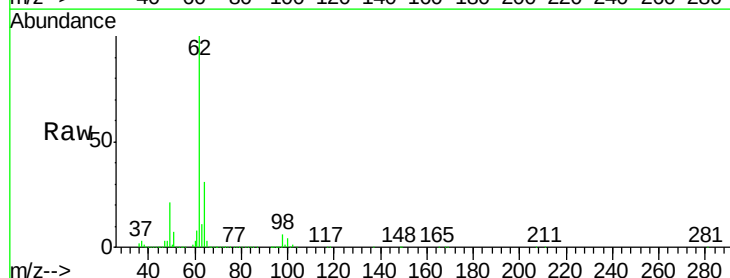
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

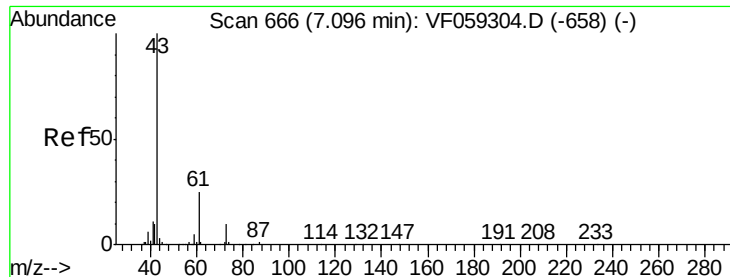
Tgt Ion:	41	Resp:	174883
Ion	Ratio	Lower	Upper
41	100		
39	71.7	50.0	75.0
67	52.4	37.0	55.6
52	49.7	37.1	55.7



#42
1,2-Dichloroethane
Concen: 133.127 ug/l
RT: 5.10 min Scan# 464
Delta R.T. -0.00 min
Lab File: VF059307.D
Acq: 25 Jun 2018 17:37

Tgt Ion:	62	Resp:	685434
Ion	Ratio	Lower	Upper
62	100		
98	5.5	0.0	11.4





#43

Isopropyl Acetate

Concen: 142.246 ug/l

RT: 7.09 min Scan# 666

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

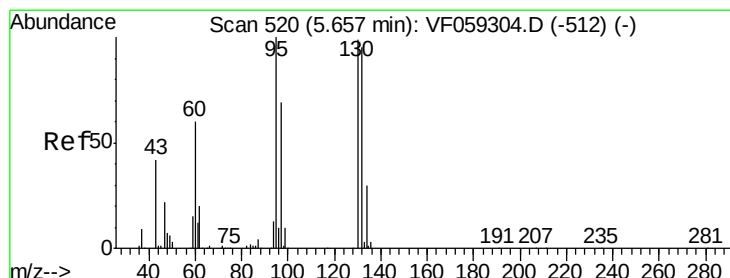
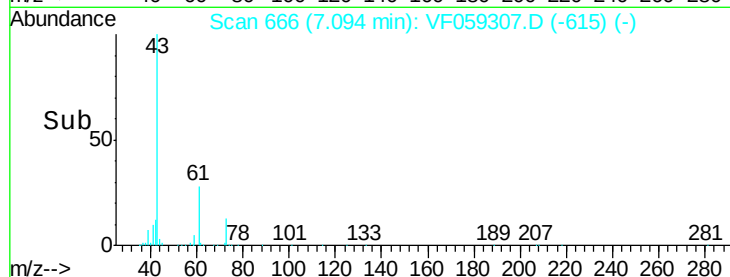
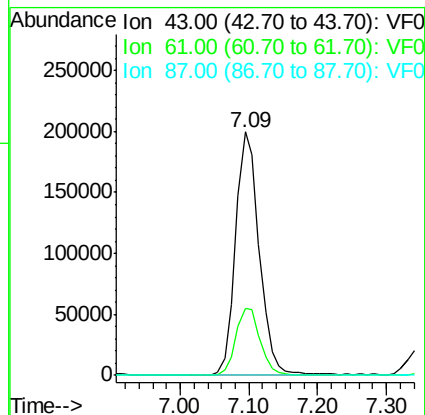
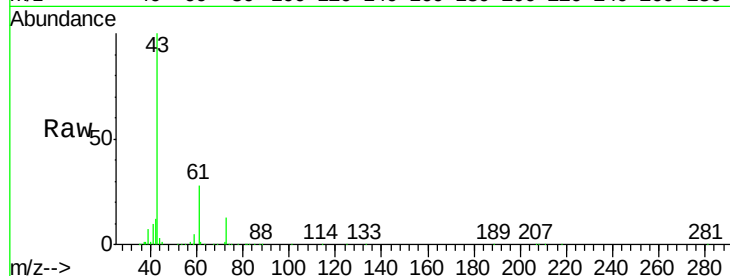
Tgt Ion: 43 Resp: 471617

Ion Ratio Lower Upper

43 100

61 27.6 19.7 29.5

87 0.2 0.5 0.7#



#44

Trichloroethene

Concen: 124.664 ug/l

RT: 5.66 min Scan# 521

Delta R.T. 0.01 min

Lab File: VF059307.D

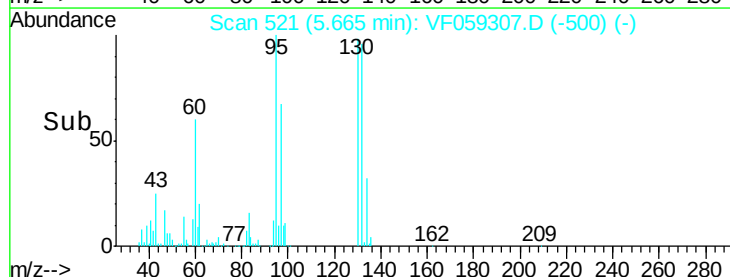
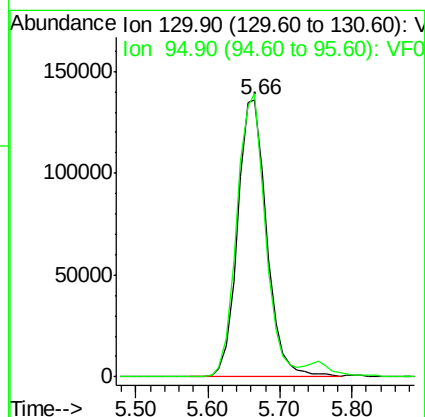
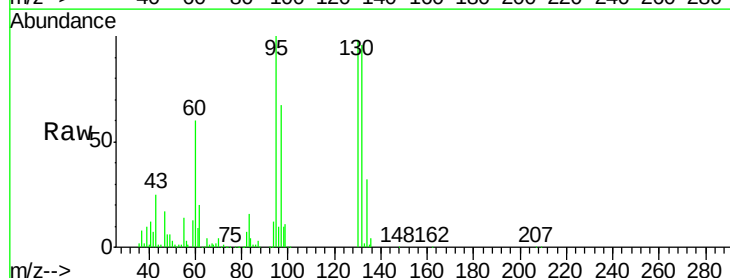
Acq: 25 Jun 2018 17:37

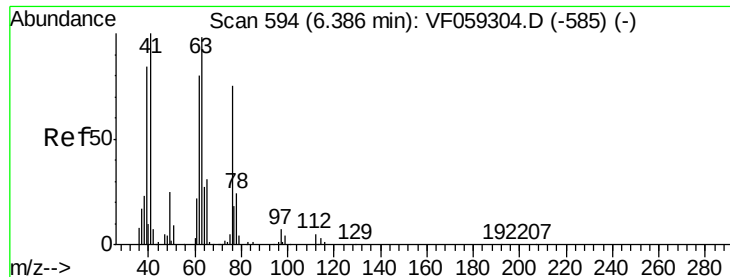
Tgt Ion: 130 Resp: 384301

Ion Ratio Lower Upper

130 100

95 102.1 0.0 202.4





#45

1,2-Dichloropropane

Concen: 130.331 ug/l

RT: 6.38 min Scan# 594

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

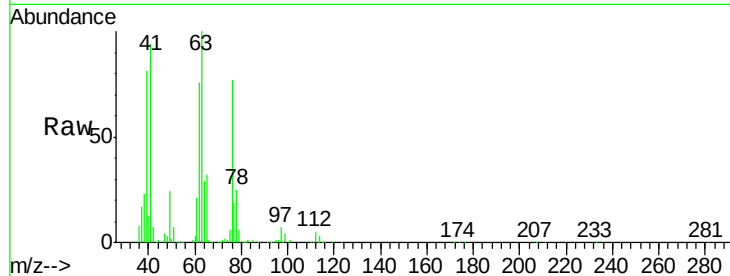
VSTDIC150

Tgt Ion: 63 Resp: 338774

Ion Ratio Lower Upper

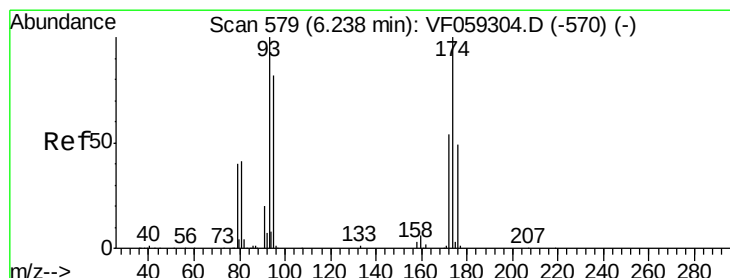
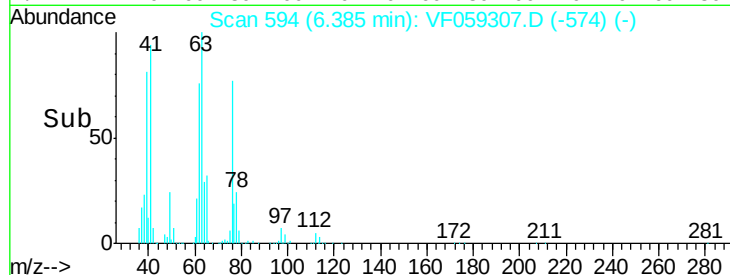
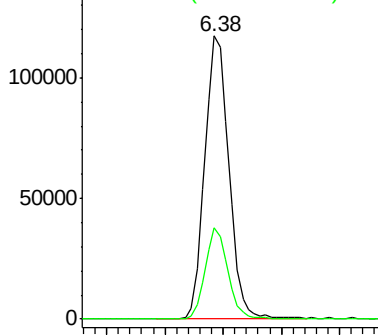
63 100

65 32.3 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 129.614 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

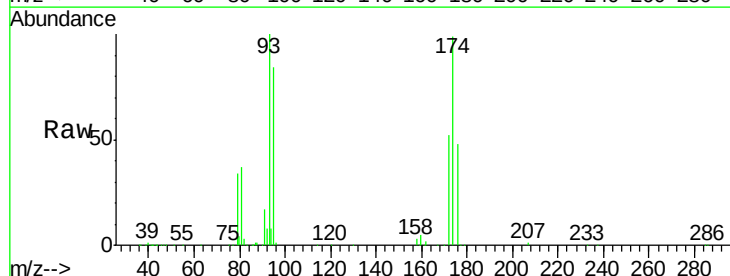
Tgt Ion: 93 Resp: 289119

Ion Ratio Lower Upper

93 100

95 83.5 65.6 98.4

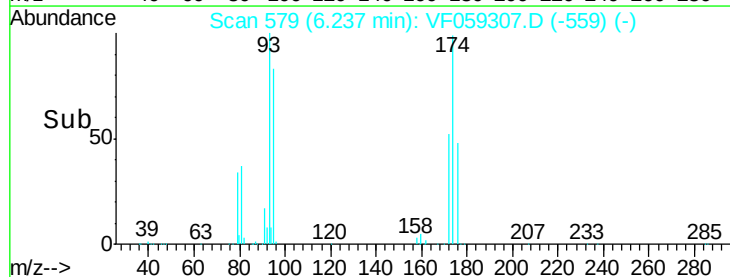
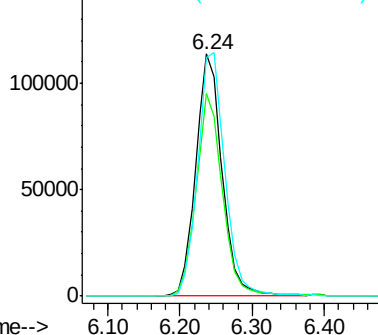
174 98.6 80.0 120.0

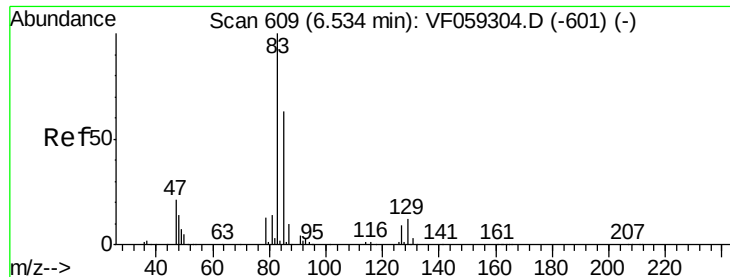


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 132.379 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

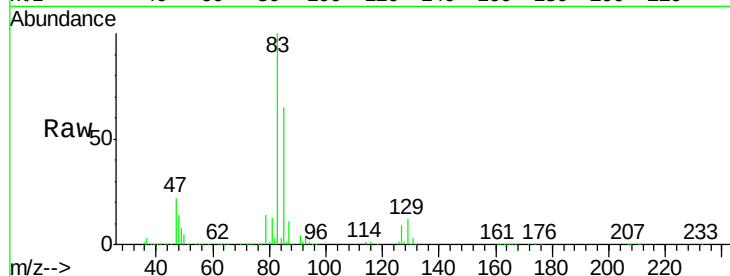
Tgt Ion: 83 Resp: 703988

Ion Ratio Lower Upper

83 100

85 65.3 50.2 75.2

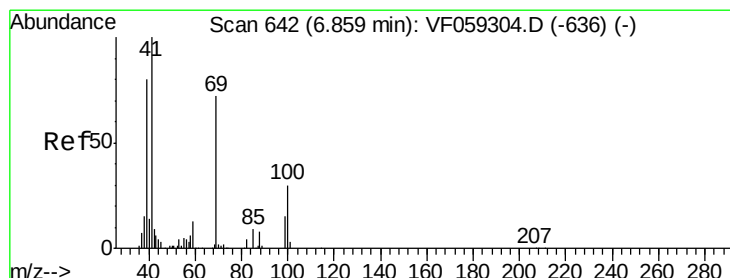
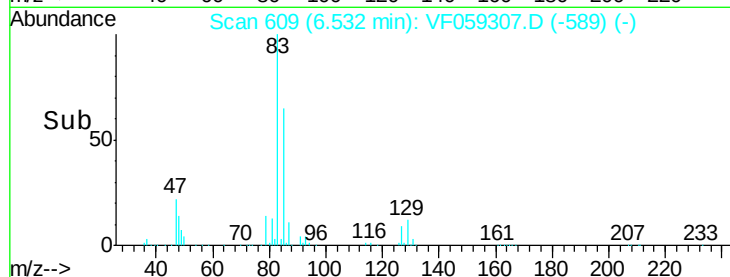
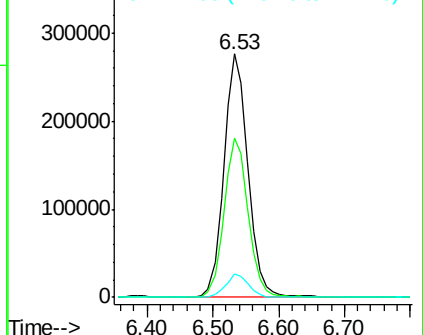
127 9.4 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 152.637 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

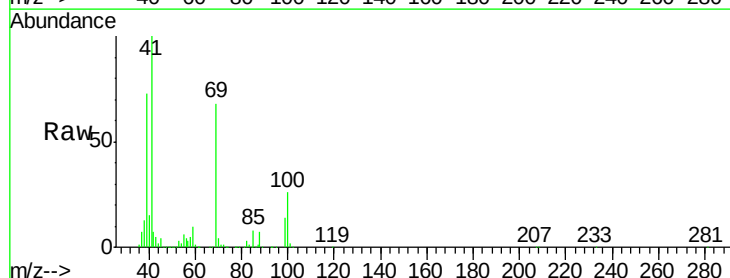
Tgt Ion: 41 Resp: 323961

Ion Ratio Lower Upper

41 100

69 68.1 57.3 85.9

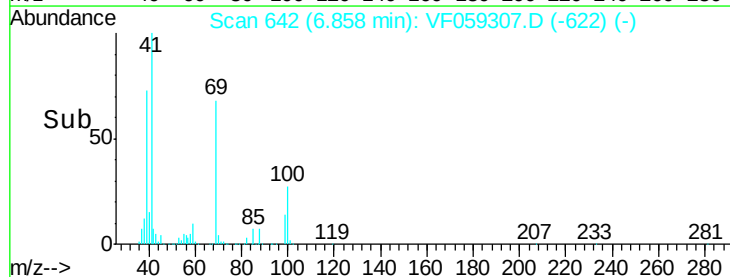
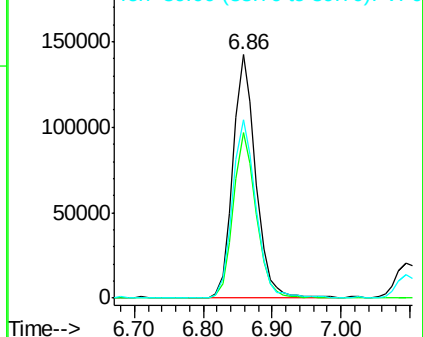
39 73.3 64.4 96.6

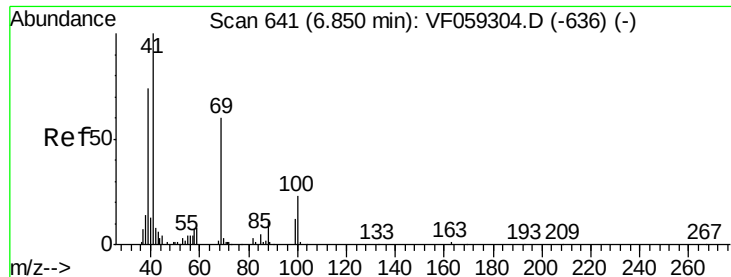


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 2564.491 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

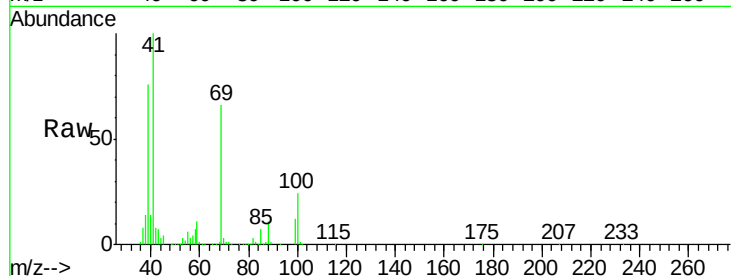
Tgt Ion: 88 Resp: 31895

Ion Ratio Lower Upper

88 100

43 62.1 50.6 75.8

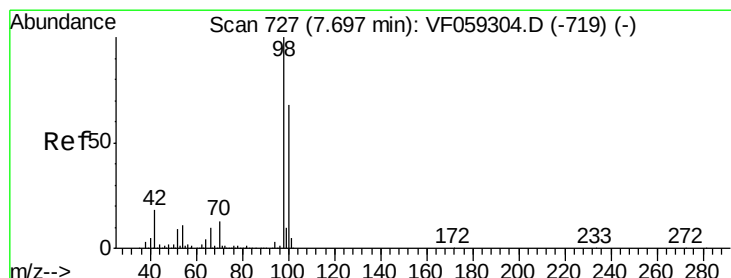
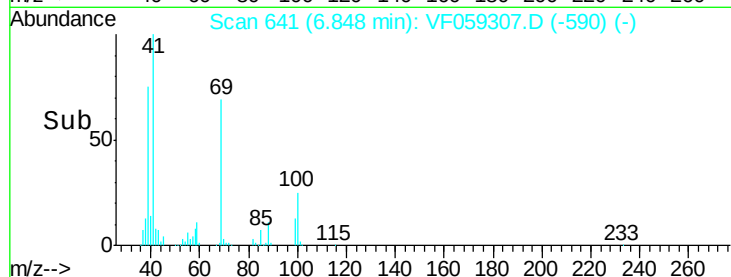
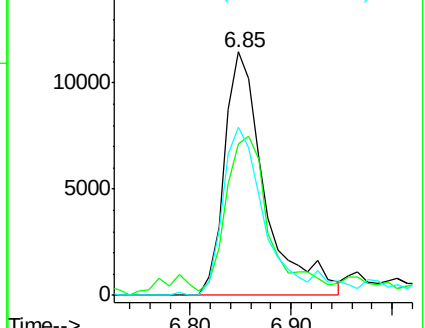
58 68.9 46.6 69.8



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 118.853 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.00 min

Lab File: VF059307.D

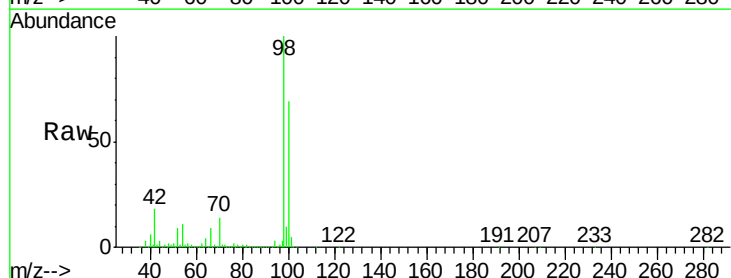
Acq: 25 Jun 2018 17:37

Tgt Ion: 98 Resp: 1023589

Ion Ratio Lower Upper

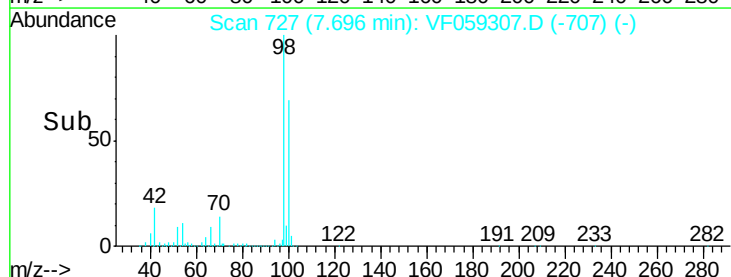
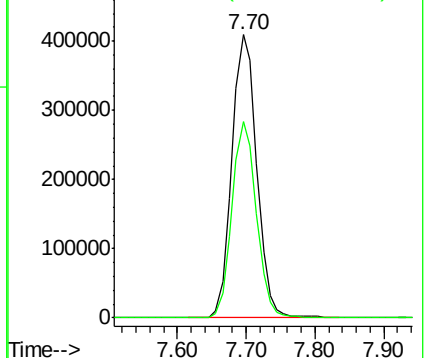
98 100

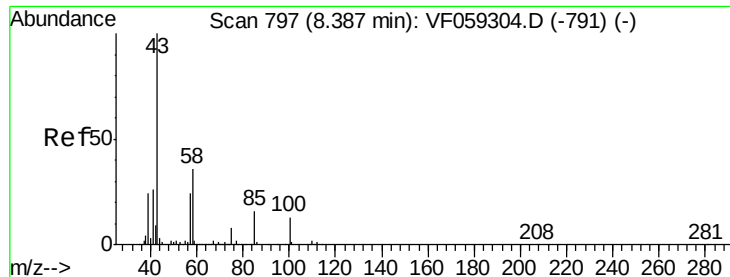
100 69.2 54.6 82.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

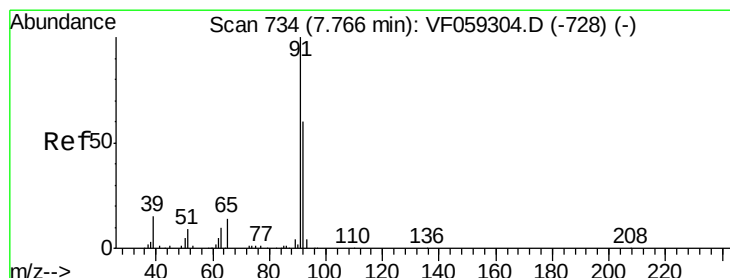
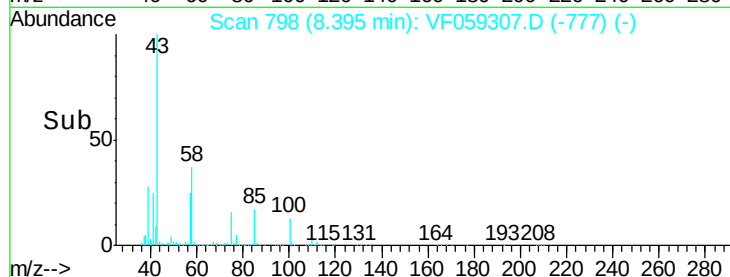
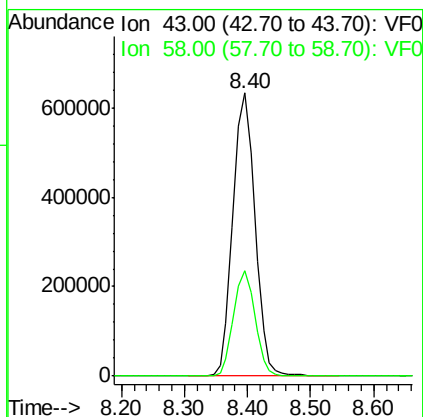
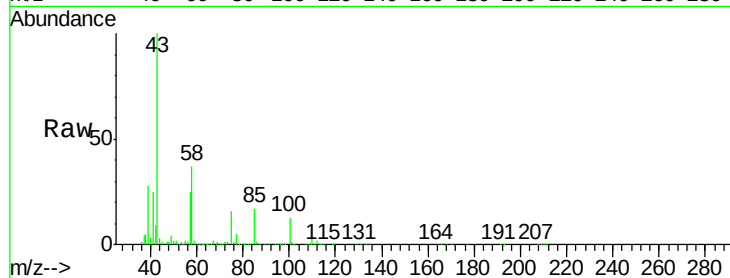




#51
 4-Methyl-2-Pentanone
 Concen: 641.351 ug/l
 RT: 8.40 min Scan# 798
 Delta R.T. 0.01 min
 Lab File: VF059307.D
 Acq: 25 Jun 2018 17:37

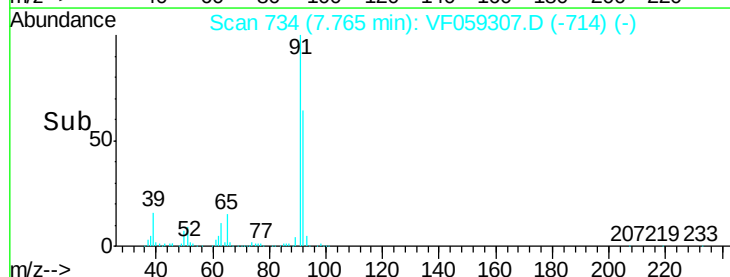
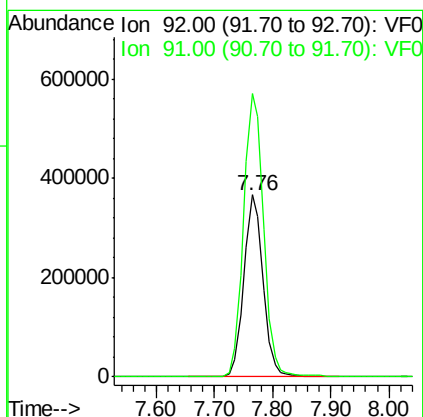
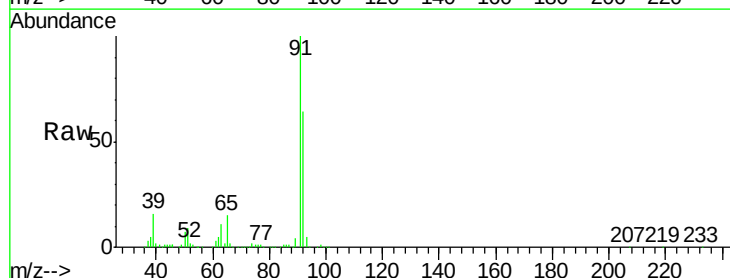
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

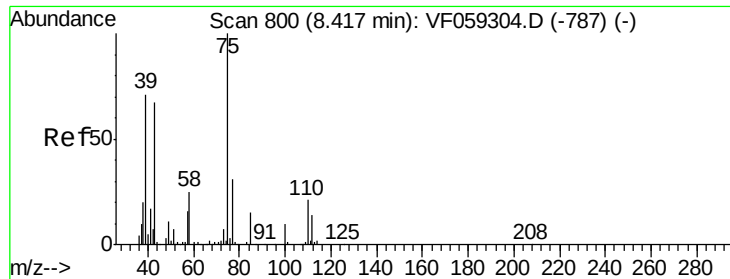
Tgt Ion: 43 Resp: 1535492
 Ion Ratio Lower Upper
 43 100
 58 37.2 28.4 42.6



#52
 Toluene
 Concen: 120.593 ug/l
 RT: 7.76 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VF059307.D
 Acq: 25 Jun 2018 17:37

Tgt Ion: 92 Resp: 836218
 Ion Ratio Lower Upper
 92 100
 91 155.4 132.8 199.2





#53

t-1,3-Dichloropropene

Concen: 130.250 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

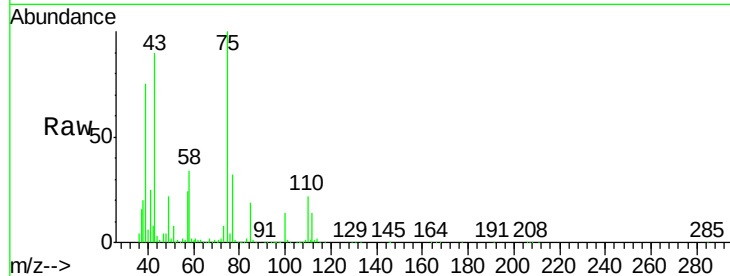
VSTDIC150

Tgt Ion: 75 Resp: 646993

Ion Ratio Lower Upper

75 100

77 32.3 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.42

300000

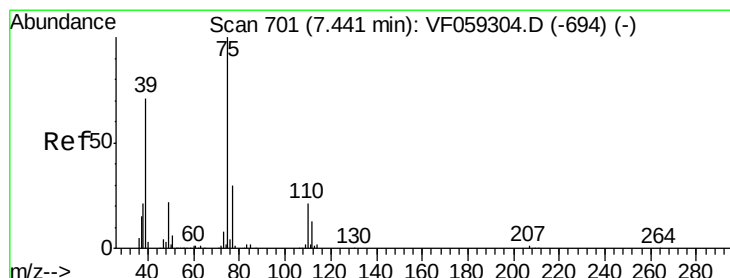
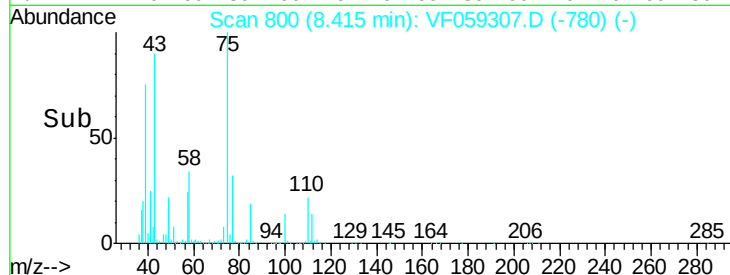
200000

100000

0

Time-->

8.20 8.30 8.40 8.50 8.60



#54

cis-1,3-Dichloropropene

Concen: 134.573 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

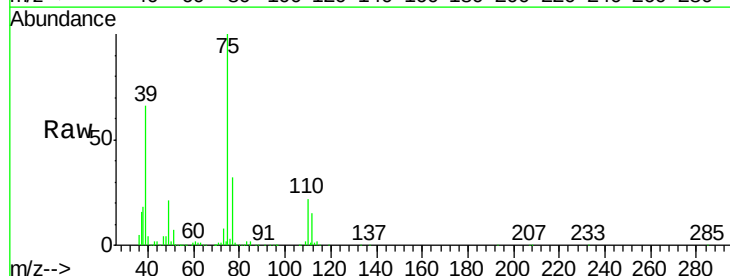
Tgt Ion: 75 Resp: 710719

Ion Ratio Lower Upper

75 100

77 31.7 24.3 36.5

39 65.8 57.2 85.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.45

300000

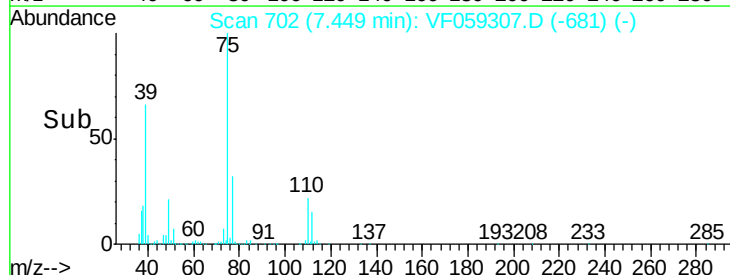
200000

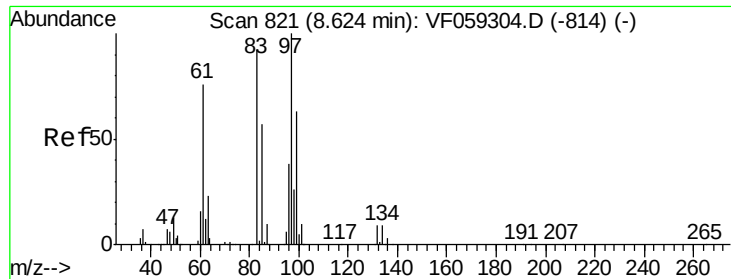
100000

0

Time-->

7.30 7.40 7.50 7.60





#55

1,1,2-Trichloroethane

Concen: 131.289 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 351807

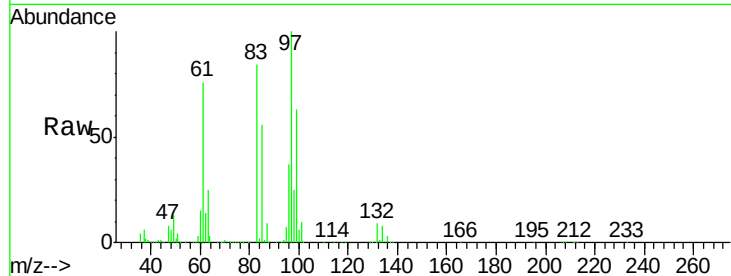
Ion Ratio Lower Upper

97 100

83 84.4 73.8 110.8

85 56.3 45.5 68.3

99 62.8 50.7 76.1

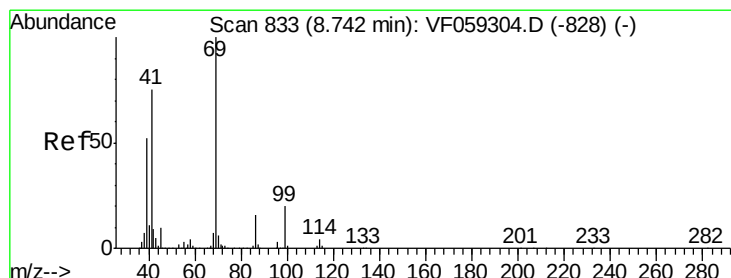
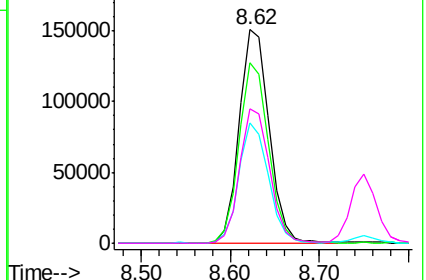
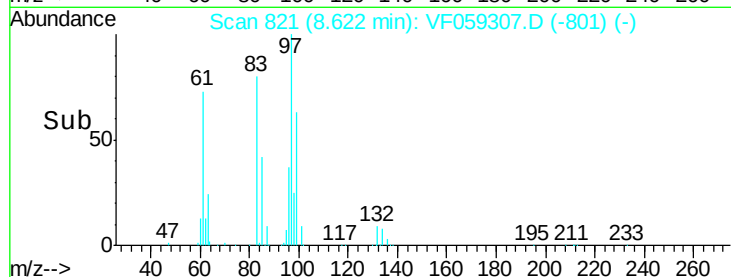


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 145.536 ug/l

RT: 8.75 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

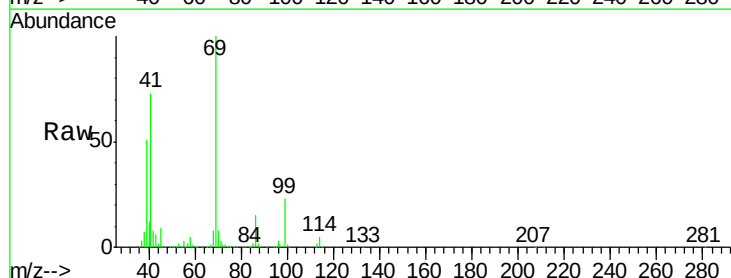
Tgt Ion: 69 Resp: 448123

Ion Ratio Lower Upper

69 100

41 72.9 60.3 90.5

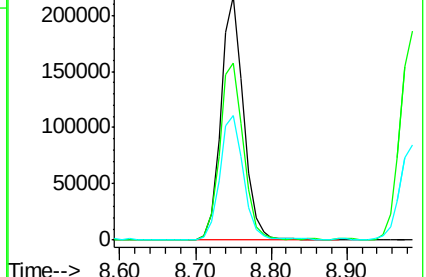
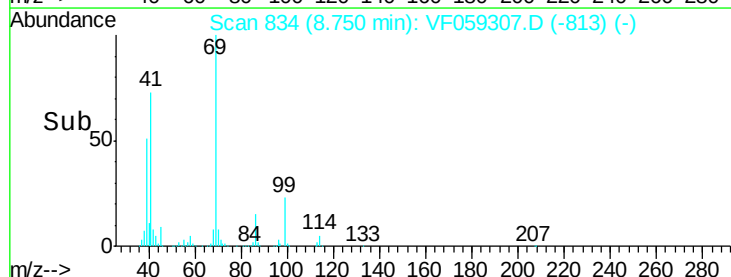
39 50.9 42.2 63.4

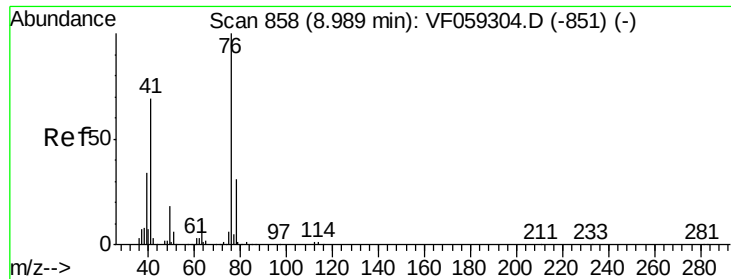


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

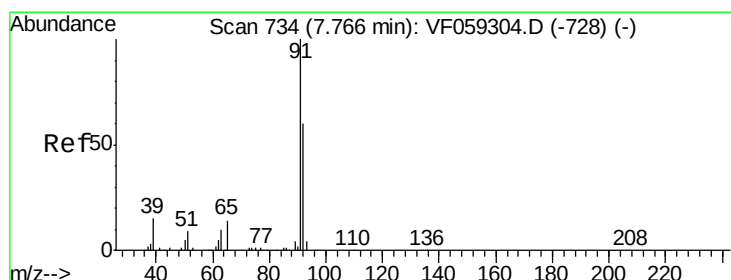
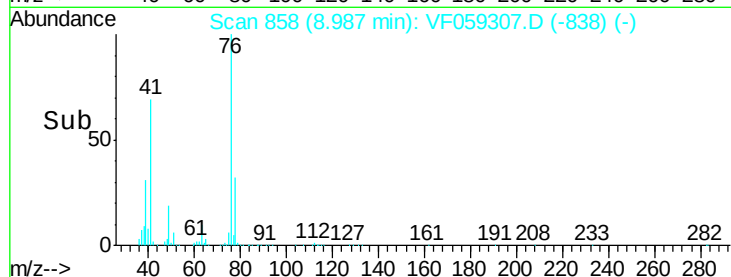
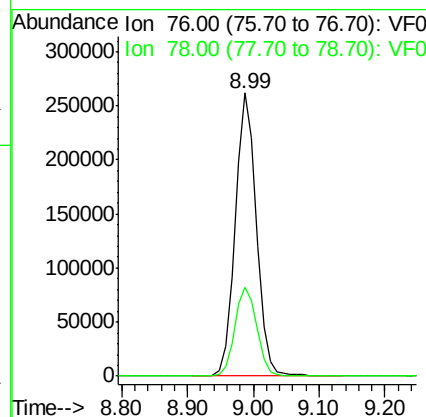
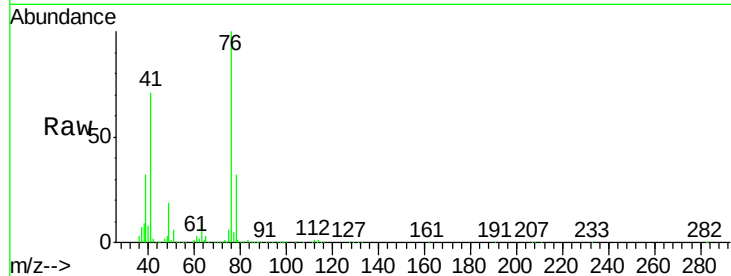




#57
 1,3-Dichloropropane
 Concen: 133.364 ug/l
 RT: 8.99 min Scan# 858
 Delta R.T. -0.00 min
 Lab File: VF059307.D
 Acq: 25 Jun 2018 17:37

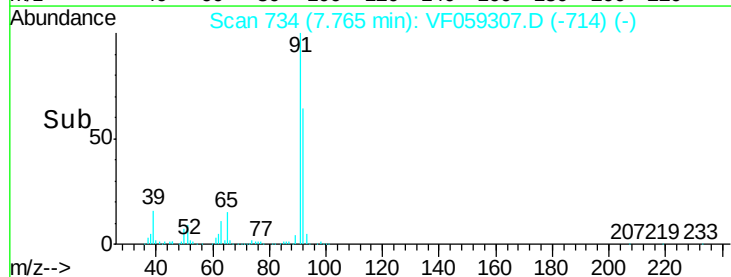
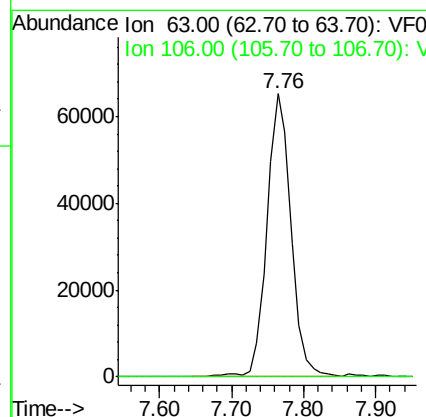
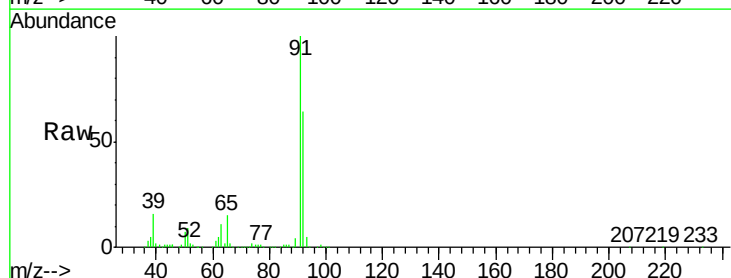
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

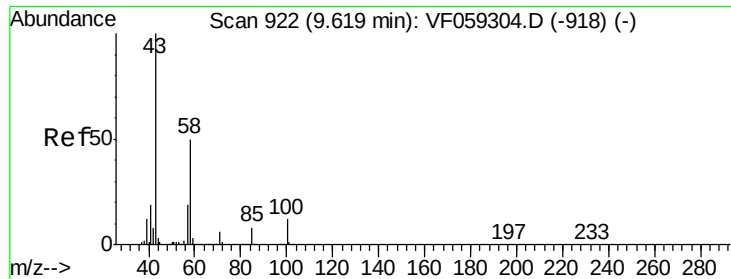
Tgt Ion: 76 Resp: 591061
 Ion Ratio Lower Upper
 76 100
 78 31.6 24.9 37.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 624.446 ug/l
 RT: 7.76 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VF059307.D
 Acq: 25 Jun 2018 17:37

Tgt Ion: 63 Resp: 152811
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

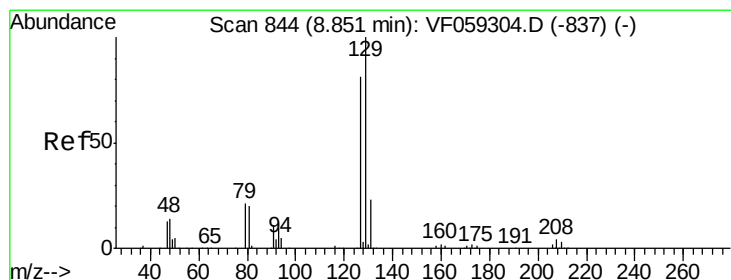
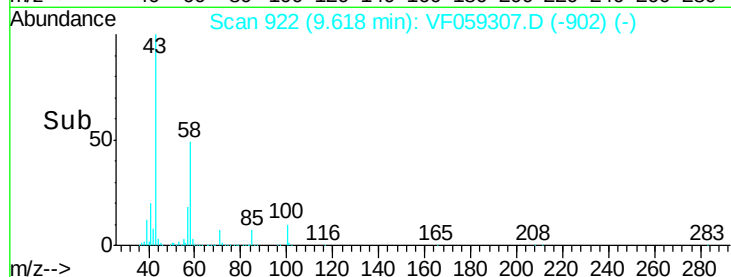
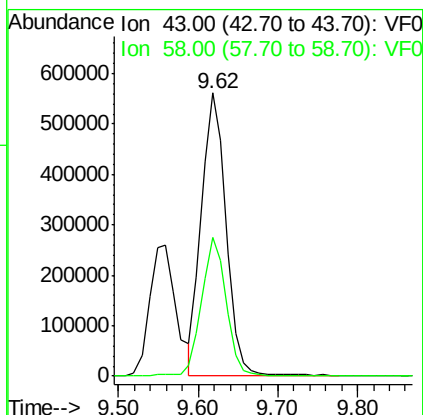
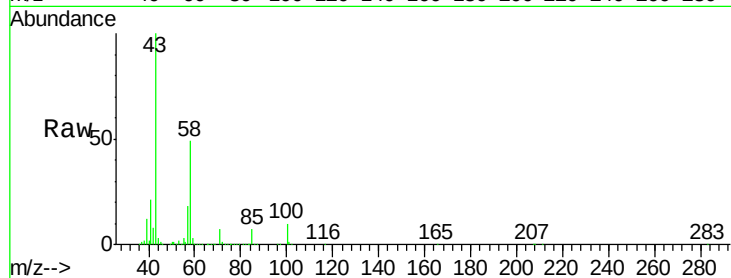




#59
2-Hexanone
Concen: 626.859 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF059307.D
Acq: 25 Jun 2018 17:37

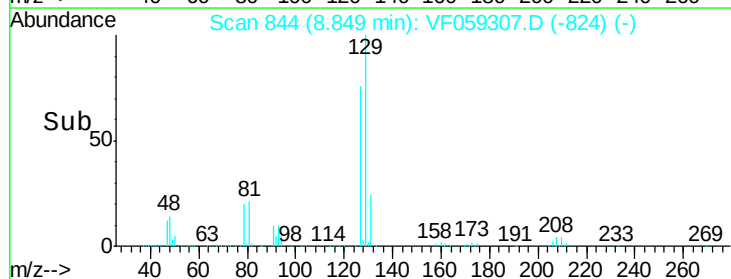
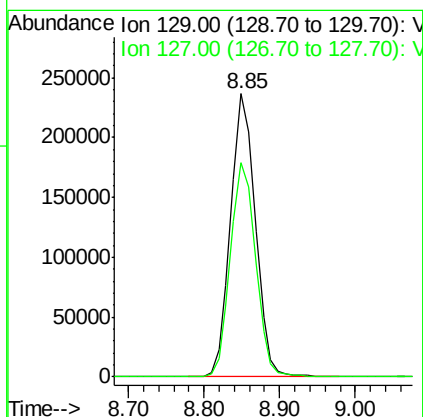
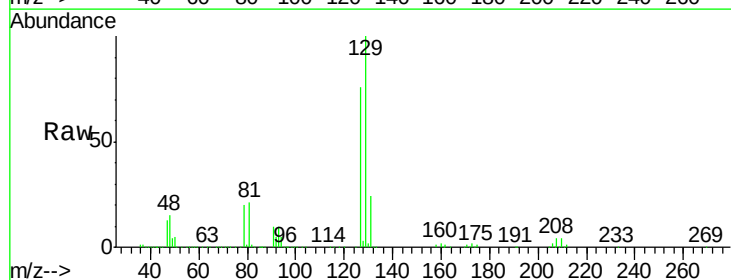
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

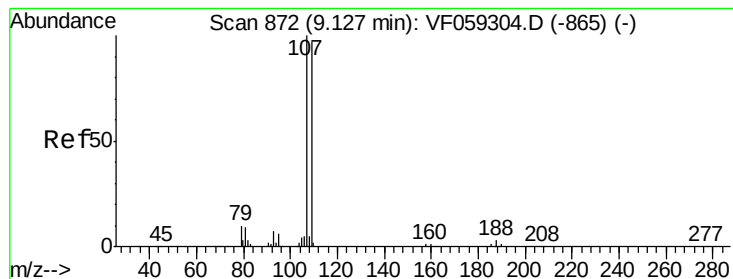
Tgt Ion: 43 Resp: 1200526
Ion Ratio Lower Upper
43 100
58 49.2 23.3 69.9



#60
Dibromochloromethane
Concen: 135.863 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF059307.D
Acq: 25 Jun 2018 17:37

Tgt Ion: 129 Resp: 538700
Ion Ratio Lower Upper
129 100
127 75.6 40.7 122.1





#61

1,2-Dibromoethane

Concen: 135.424 ug/l

RT: 9.12 min Scan# 872

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

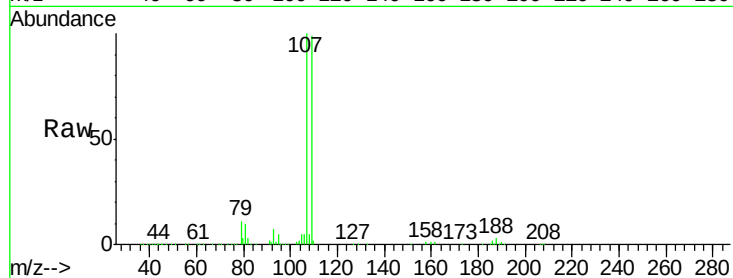
VSTDIC150

Tgt Ion: 107 Resp: 421151

Ion Ratio Lower Upper

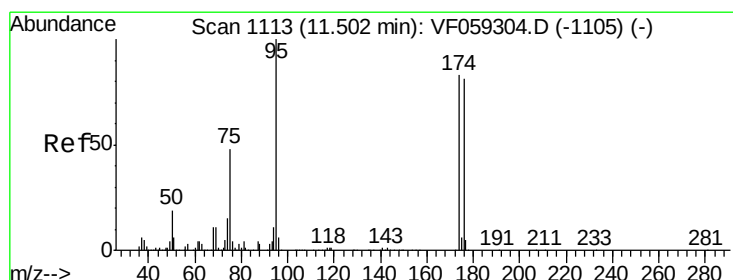
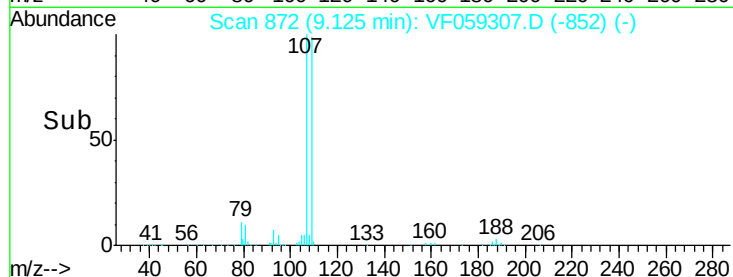
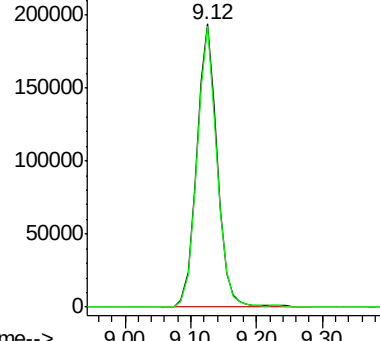
107 100

109 99.0 77.3 115.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 114.465 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

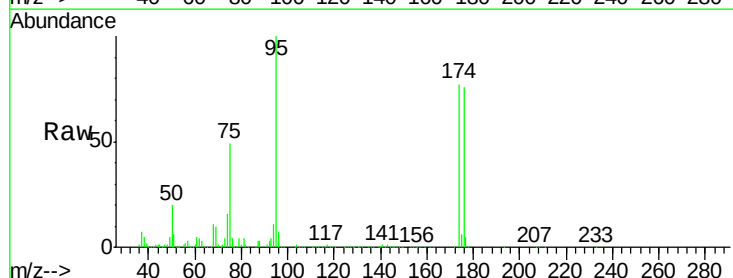
Tgt Ion: 95 Resp: 546249

Ion Ratio Lower Upper

95 100

174 76.7 0.0 165.2

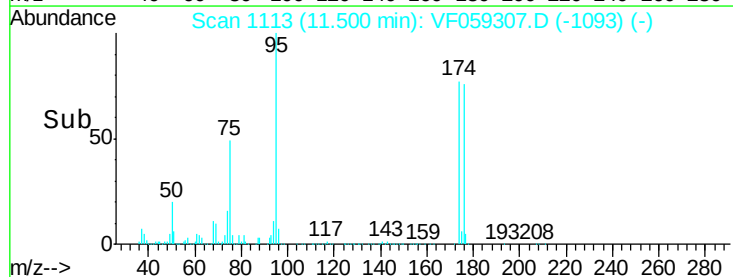
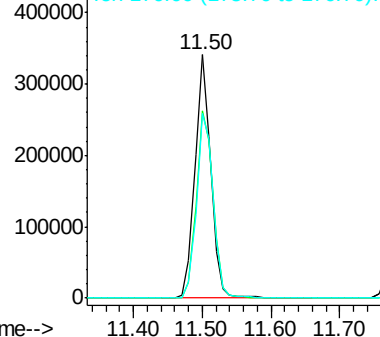
176 75.8 0.0 161.0

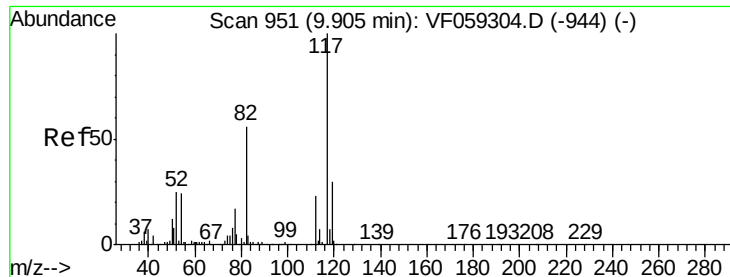


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 951

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

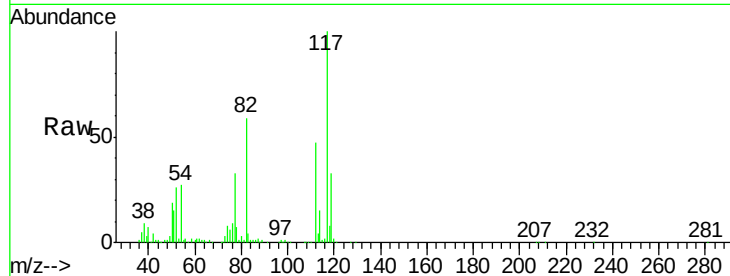
Tgt Ion:117 Resp: 430551

Ion Ratio Lower Upper

117 100

82 59.4 44.6 66.8

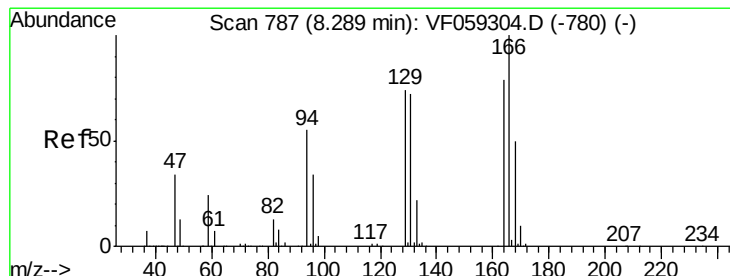
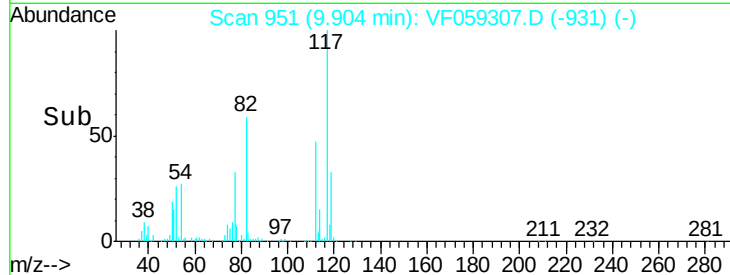
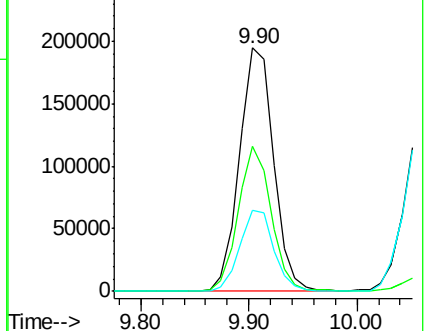
119 33.4 24.1 36.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 119.094 ug/l

RT: 8.30 min Scan# 788

Delta R.T. 0.01 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Tgt Ion:164 Resp: 382425

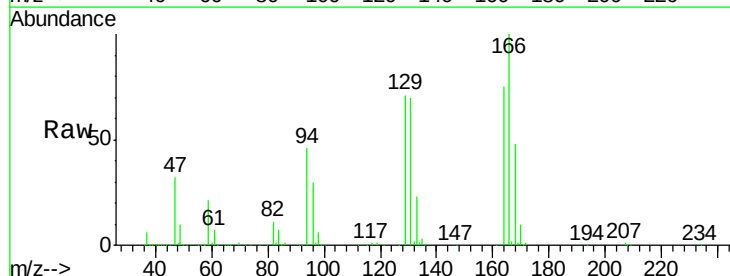
Ion Ratio Lower Upper

164 100

166 132.5 101.1 151.7

129 94.1 75.0 112.4

131 92.5 73.3 109.9

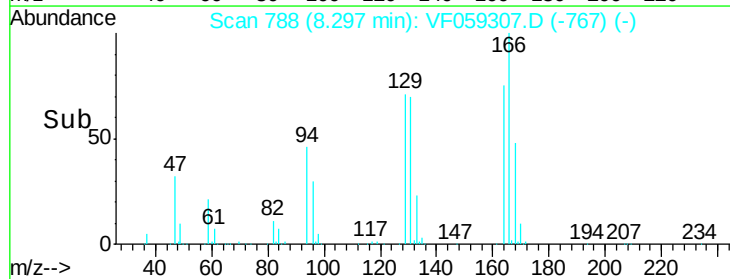
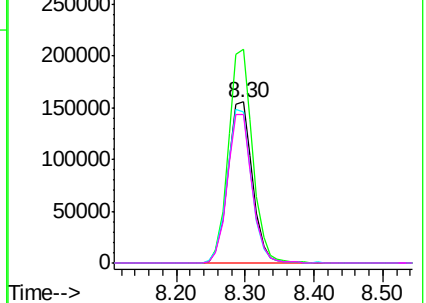


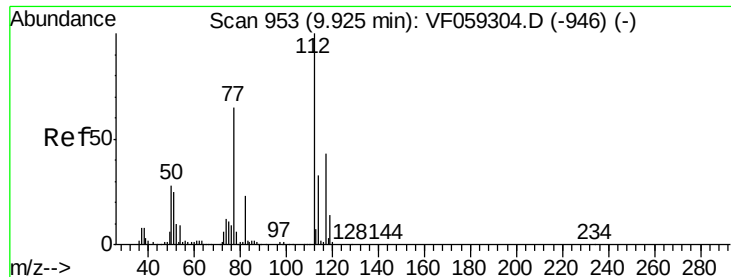
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 123.132 ug/l

RT: 9.93 min Scan# 954

Delta R.T. 0.01 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

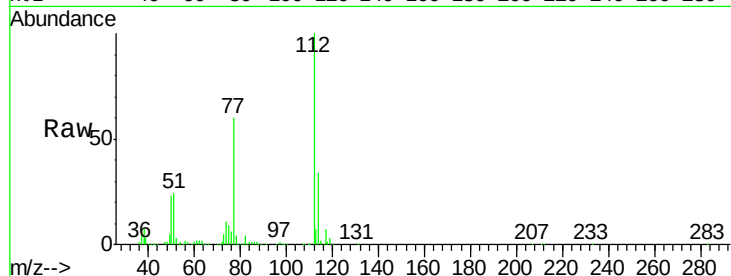
VSTDIC150

Tgt Ion:112 Resp: 1095142

Ion Ratio Lower Upper

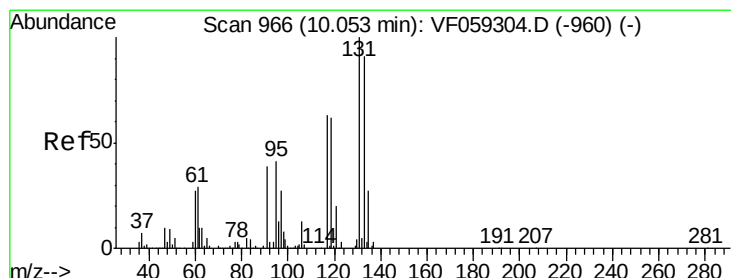
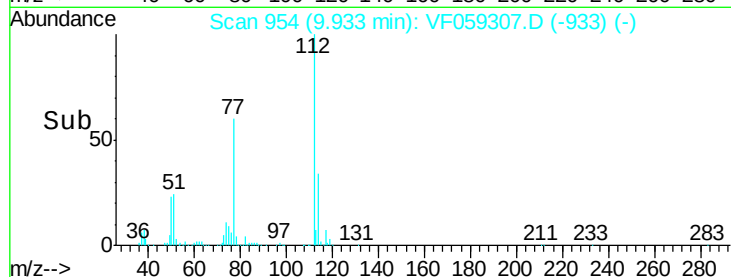
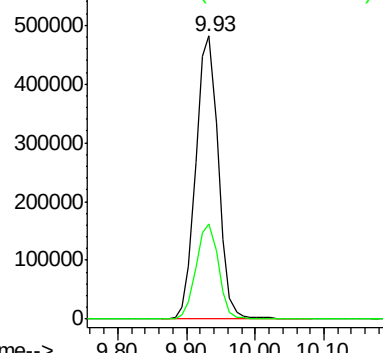
112 100

114 33.8 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 123.336 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.01 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

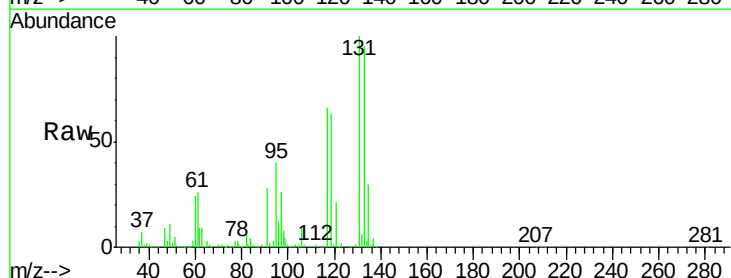
Tgt Ion:131 Resp: 462505

Ion Ratio Lower Upper

131 100

133 94.8 45.3 135.9

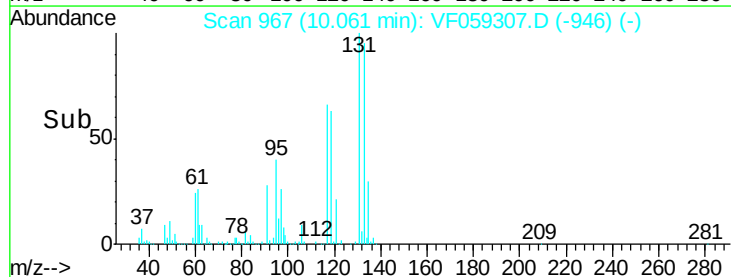
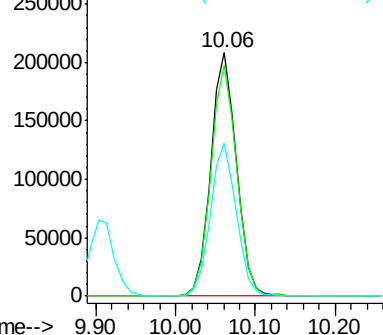
119 62.6 31.3 93.9

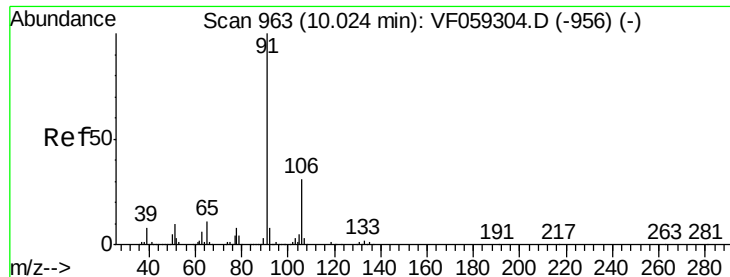


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 116.847 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

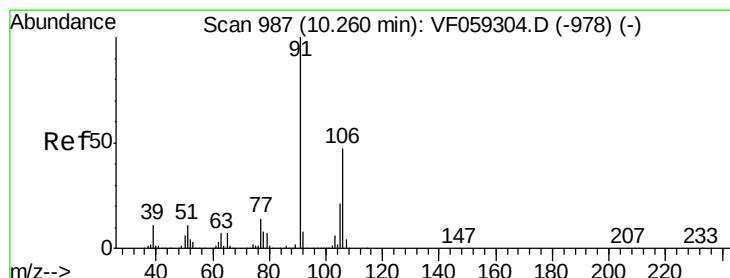
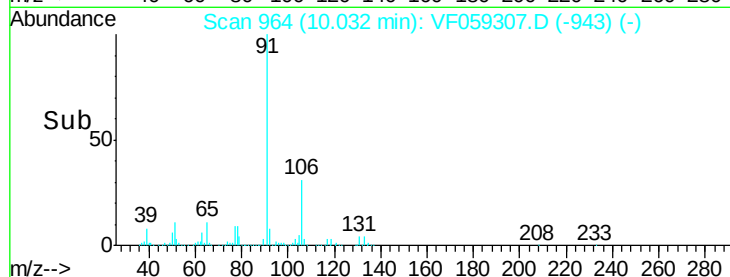
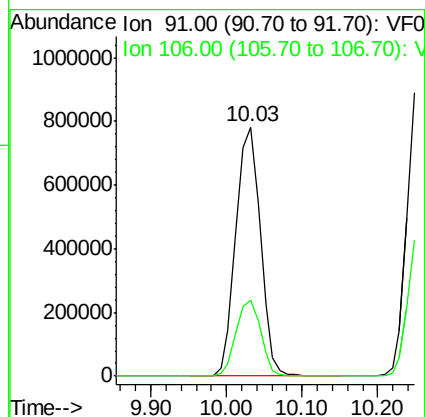
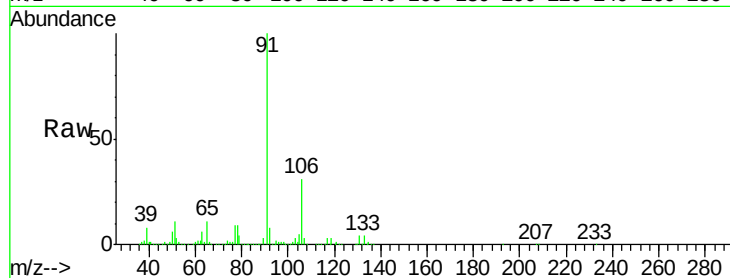
VSTDIC150

Tgt Ion: 91 Resp: 1762632

Ion Ratio Lower Upper

91 100

106 30.5 24.8 37.2



#68

m/p-Xylenes

Concen: 227.378 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF059307.D

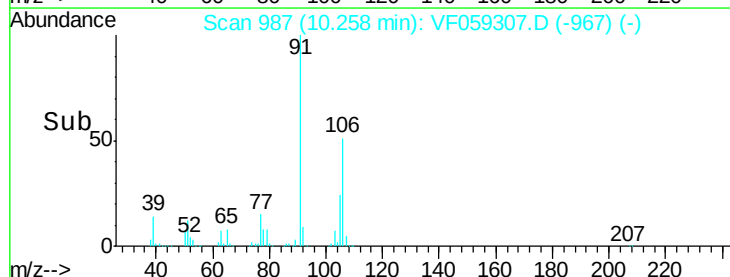
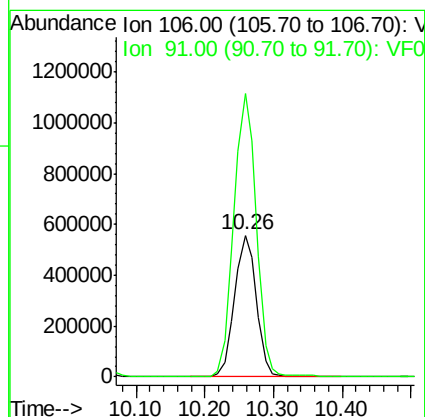
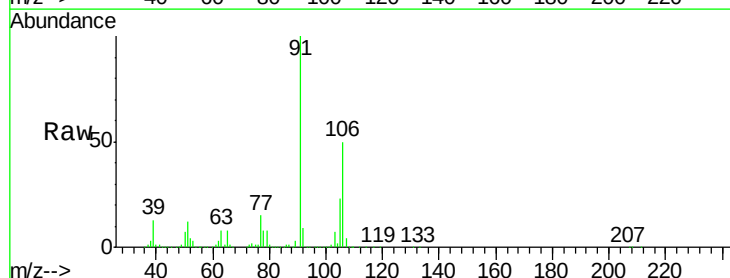
Acq: 25 Jun 2018 17:37

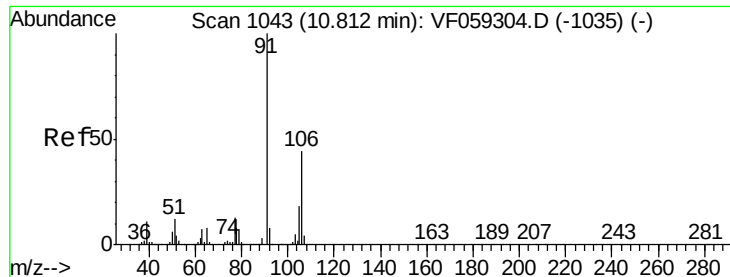
Tgt Ion: 106 Resp: 1225204

Ion Ratio Lower Upper

106 100

91 200.1 170.8 256.2

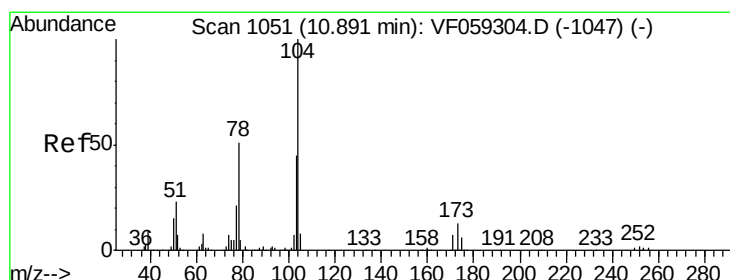
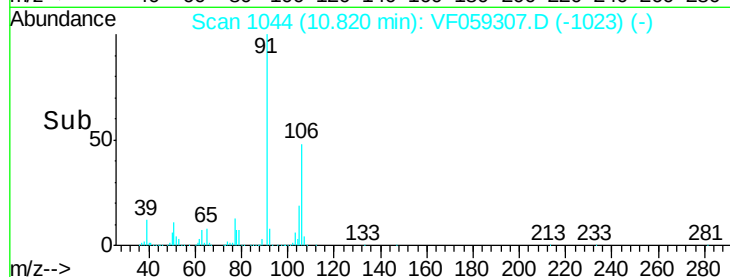
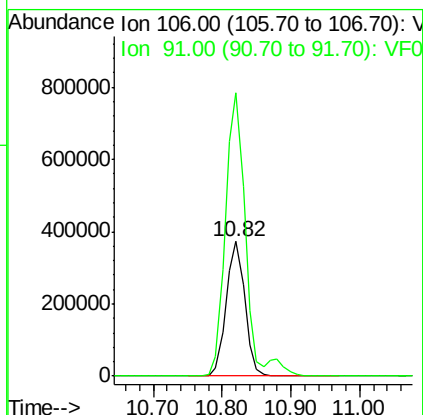
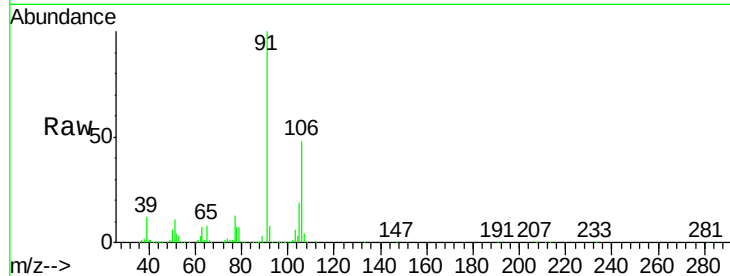




#69
o-Xylene
Concen: 117.923 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF059307.D
Acq: 25 Jun 2018 17:37

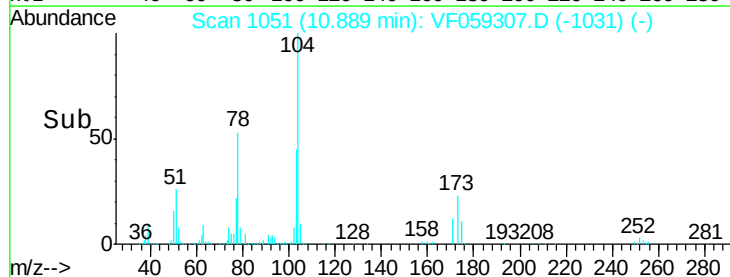
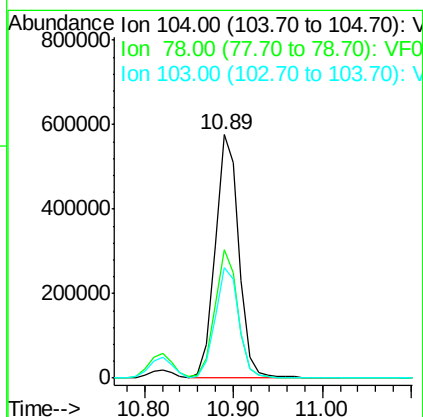
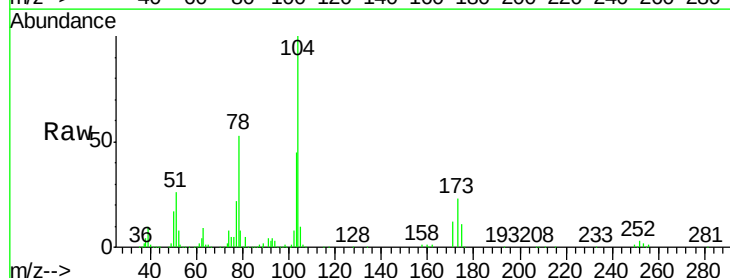
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

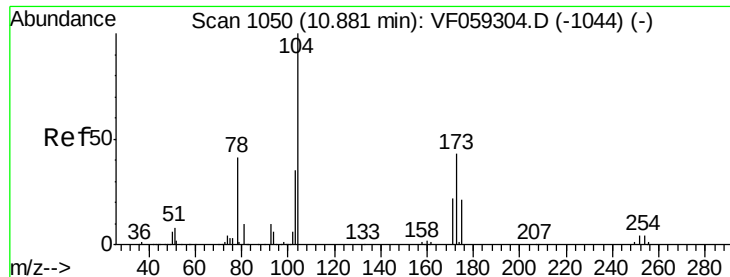
Tgt Ion:106 Resp: 704197
Ion Ratio Lower Upper
106 100
91 210.4 114.6 343.6



#70
Styrene
Concen: 116.973 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059307.D
Acq: 25 Jun 2018 17:37

Tgt Ion:104 Resp: 1060957
Ion Ratio Lower Upper
104 100
78 52.6 40.9 61.3
103 45.3 36.5 54.7





#71

Bromoform

Concen: 128.882 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

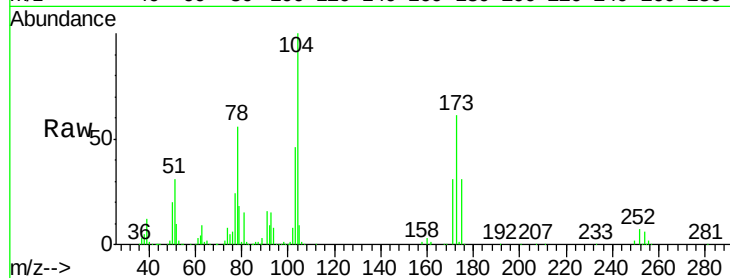
Tgt Ion:173 Resp: 343117

Ion Ratio Lower Upper

173 100

175 50.0 24.8 74.3

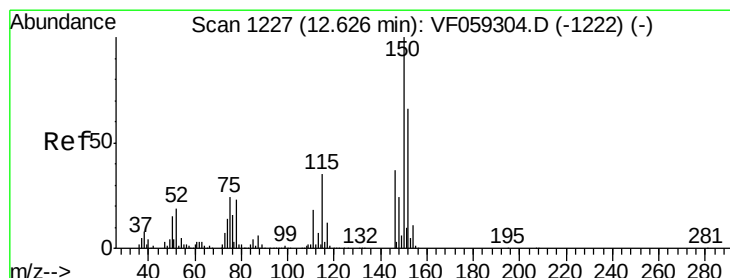
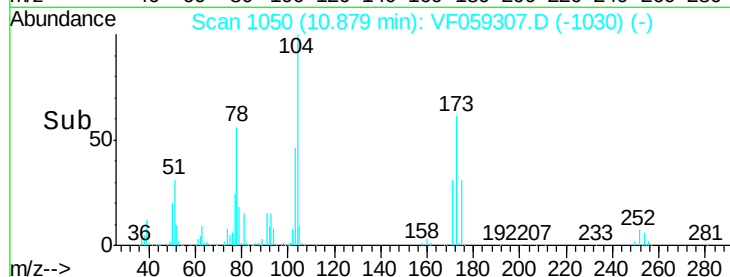
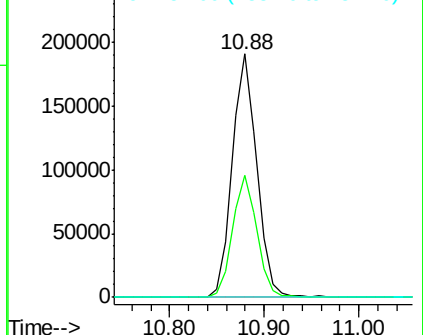
254 0.2 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

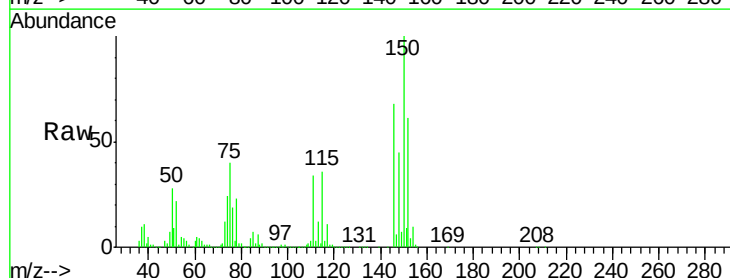
Tgt Ion:152 Resp: 248327

Ion Ratio Lower Upper

152 100

115 59.4 27.1 81.3

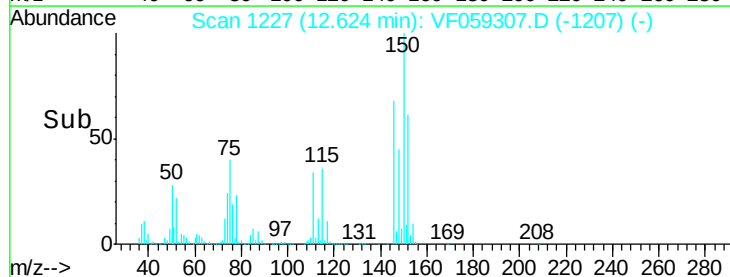
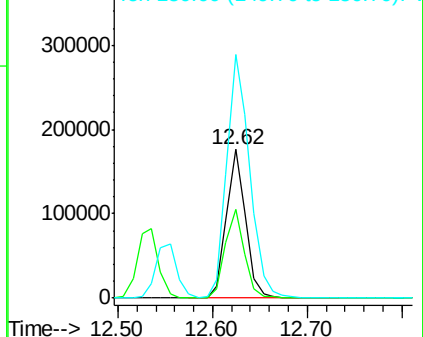
150 164.1 0.0 305.2

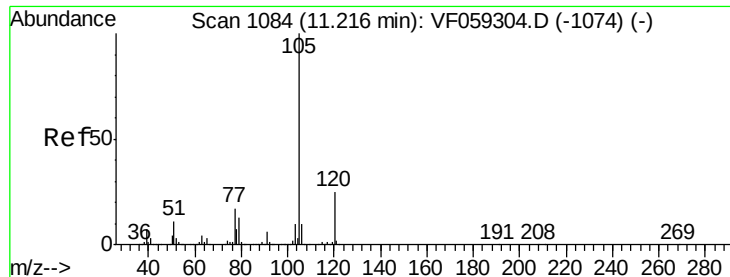


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 118.749 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

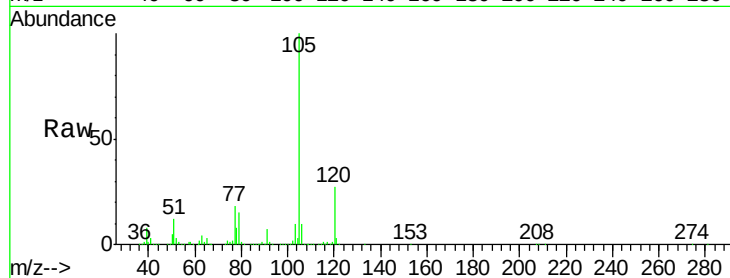
VSTDIC150

Tgt Ion:105 Resp: 1966993

Ion Ratio Lower Upper

105 100

120 26.8 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

600000

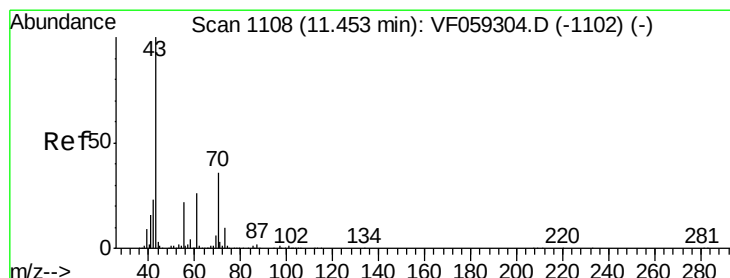
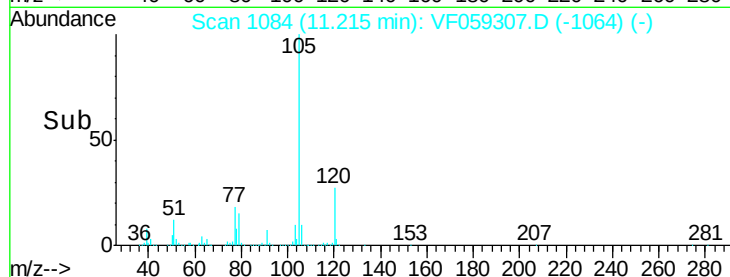
400000

200000

0

11.10 11.20 11.30

Time-->



#74

N-ethyl acetate

Concen: 131.453 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Tgt Ion: 43 Resp: 726147

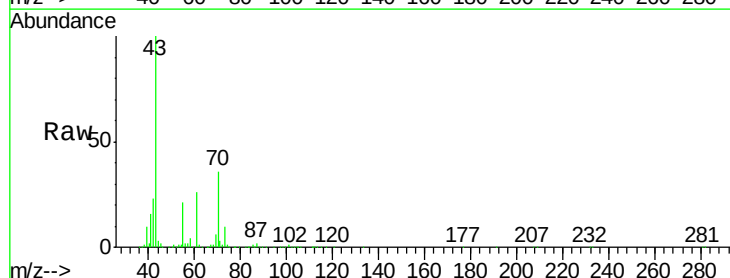
Ion Ratio Lower Upper

43 100

70 36.2 28.8 43.2

55 20.7 17.4 26.0

61 26.1 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

600000

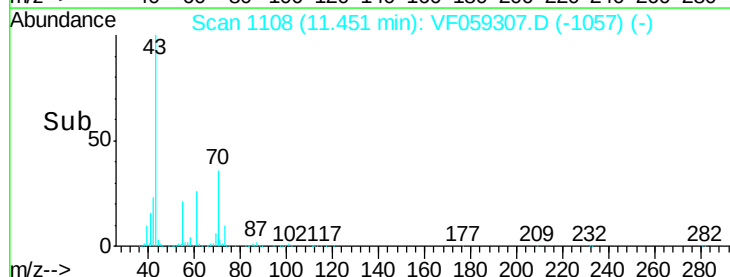
400000

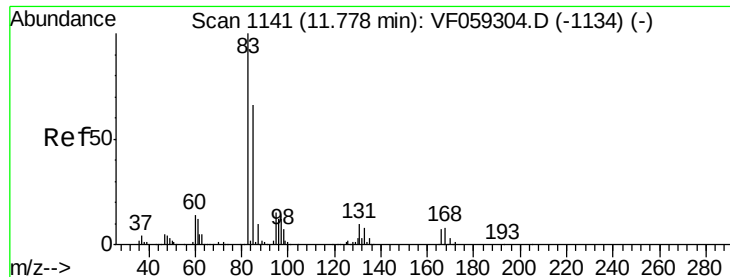
200000

0

11.30 11.40 11.50 11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 124.089 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

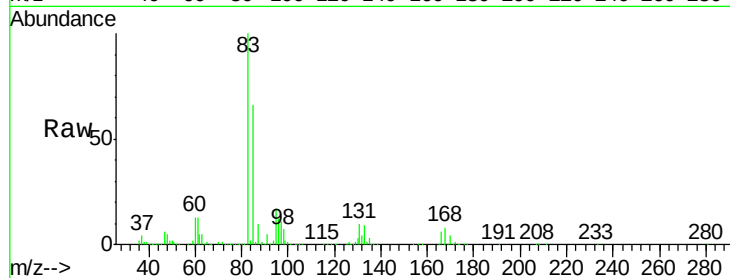
Tgt Ion: 83 Resp: 492099

Ion Ratio Lower Upper

83 100

131 10.4 4.9 14.6

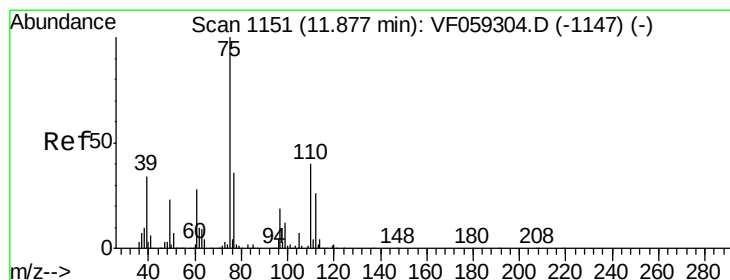
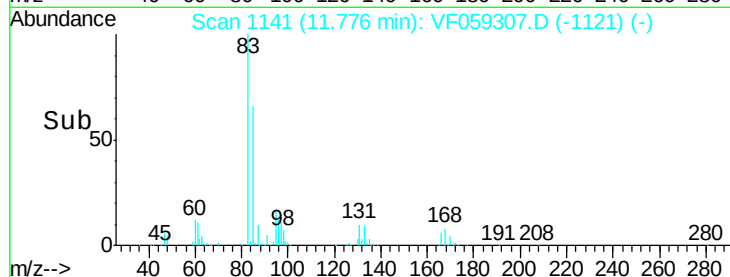
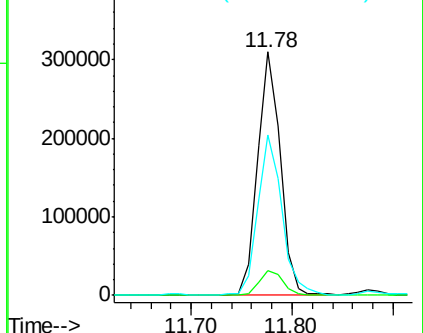
85 66.0 32.8 98.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 135.411 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF059307.D

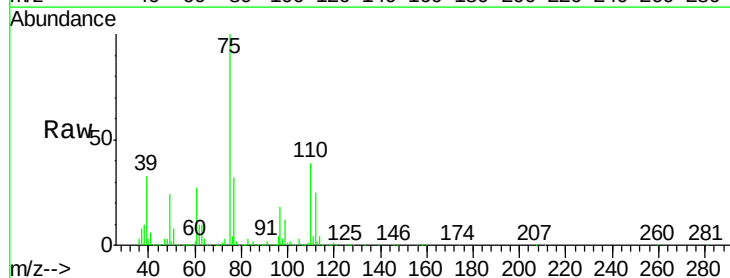
Acq: 25 Jun 2018 17:37

Tgt Ion: 75 Resp: 392575

Ion Ratio Lower Upper

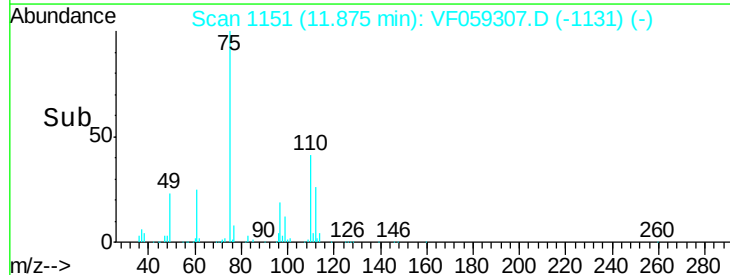
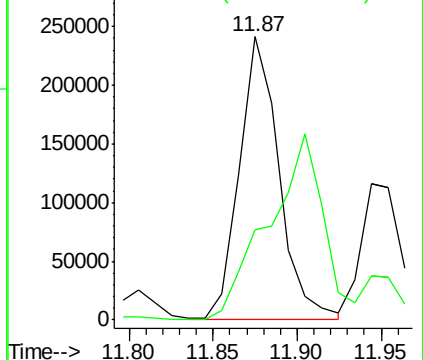
75 100

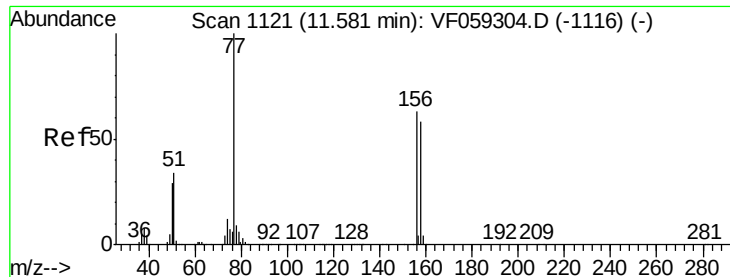
77 31.7 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 120.885 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

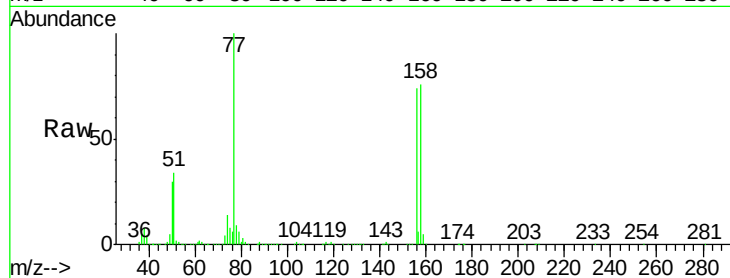
Tgt Ion:156 Resp: 542473

Ion Ratio Lower Upper

156 100

77 135.6 79.7 238.9

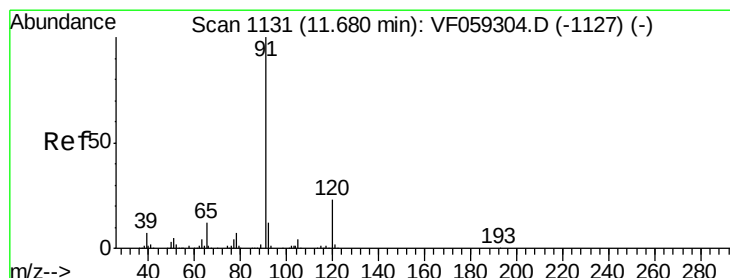
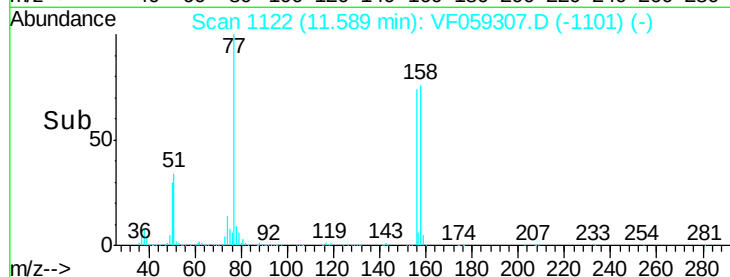
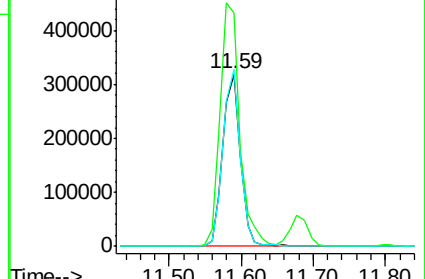
158 102.6 46.2 138.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 111.021 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059307.D

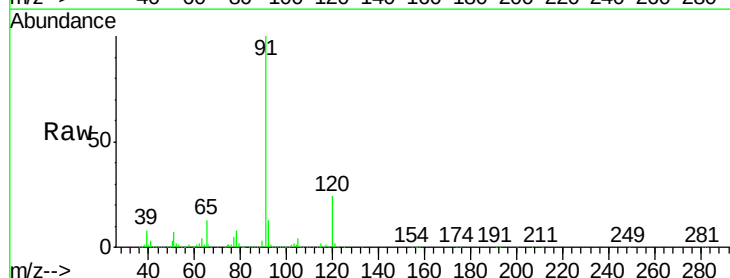
Acq: 25 Jun 2018 17:37

Tgt Ion: 91 Resp: 2165078

Ion Ratio Lower Upper

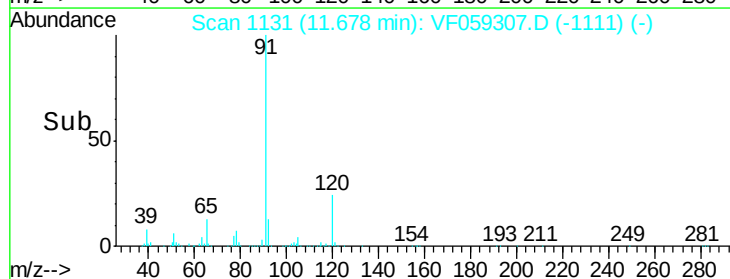
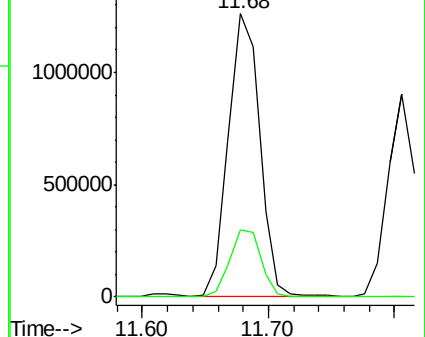
91 100

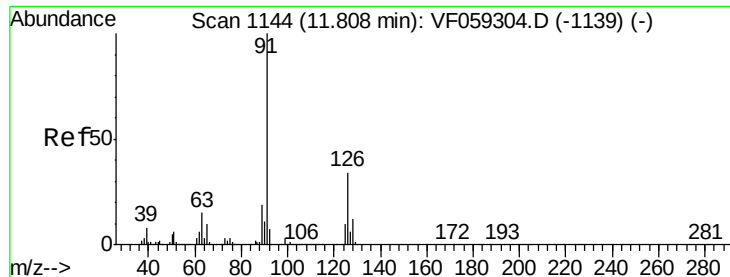
120 23.9 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 118.710 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

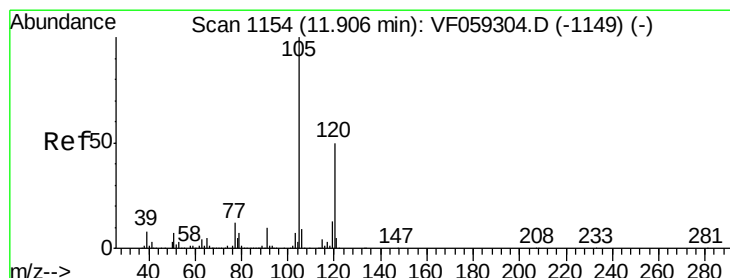
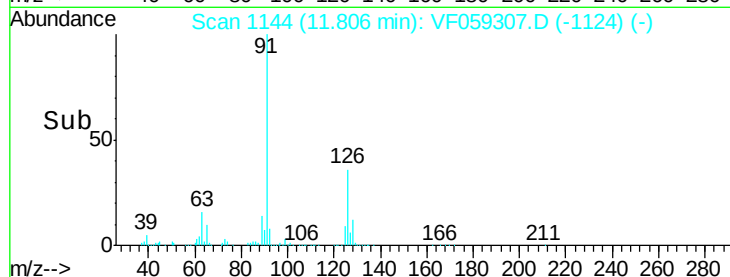
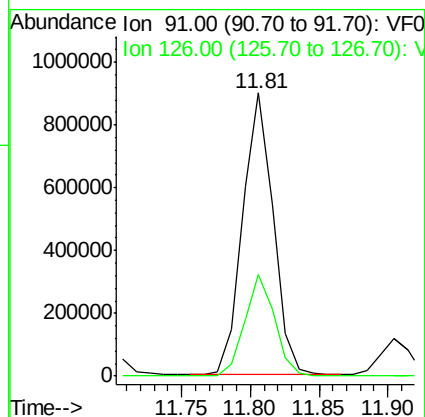
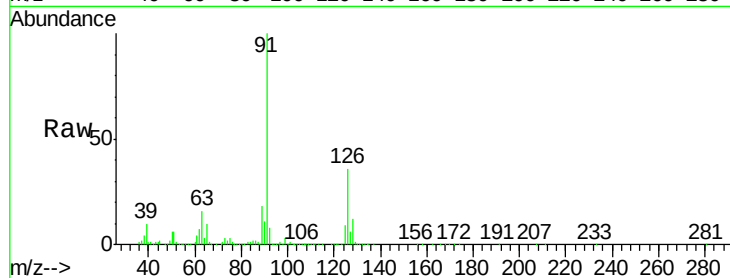
VSTDIC150

Tgt Ion: 91 Resp: 1393223

Ion Ratio Lower Upper

91 100

126 35.7 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 115.442 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF059307.D

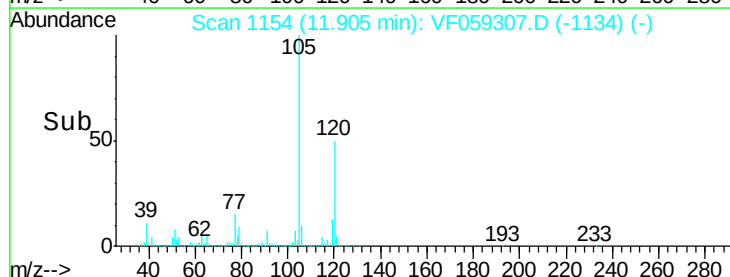
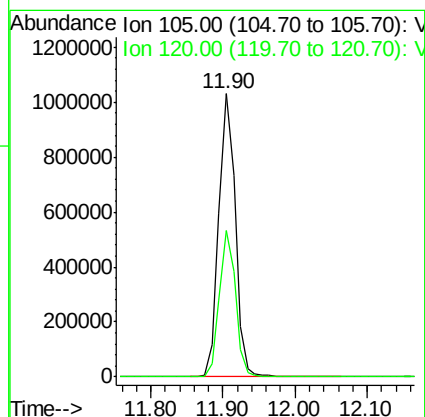
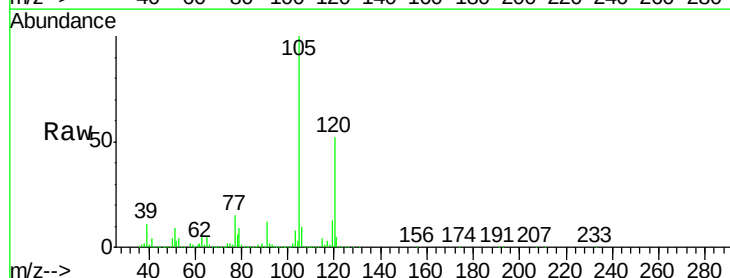
Acq: 25 Jun 2018 17:37

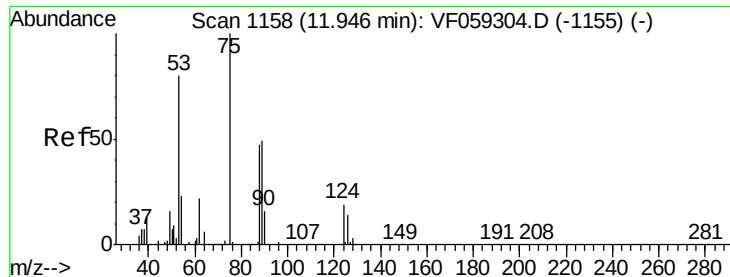
Tgt Ion:105 Resp: 1614616

Ion Ratio Lower Upper

105 100

120 51.6 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 128.472 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

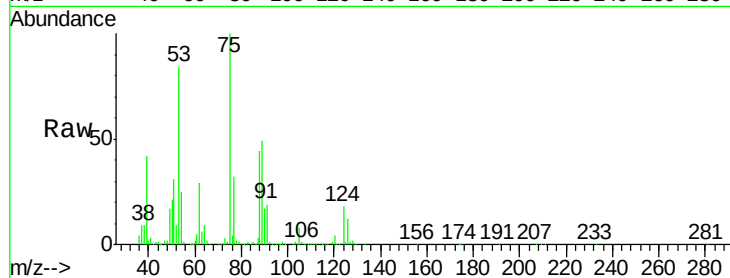
Tgt Ion: 75 Resp: 235381

Ion Ratio Lower Upper

75 100

53 83.9 68.8 103.2

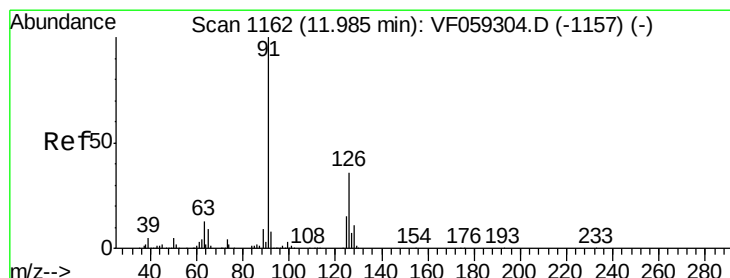
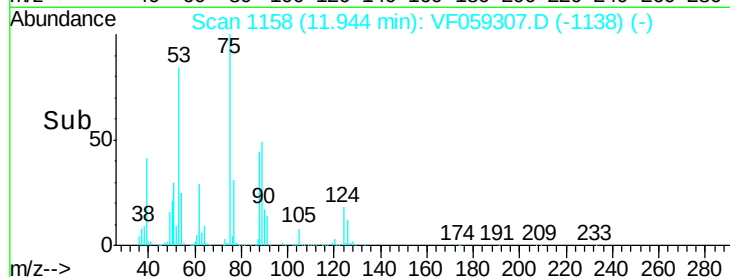
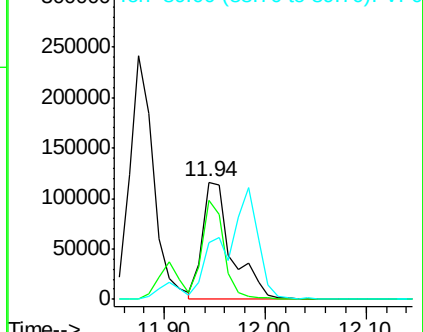
89 48.8 42.0 63.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 117.796 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VF059307.D

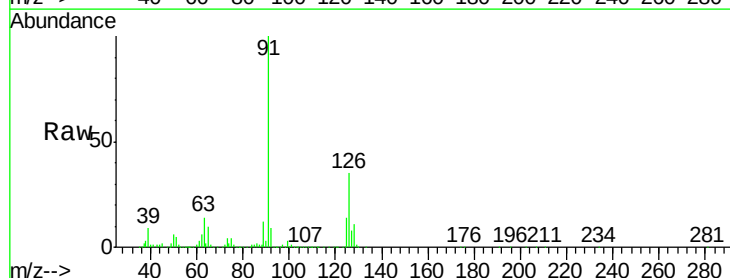
Acq: 25 Jun 2018 17:37

Tgt Ion: 91 Resp: 1493809

Ion Ratio Lower Upper

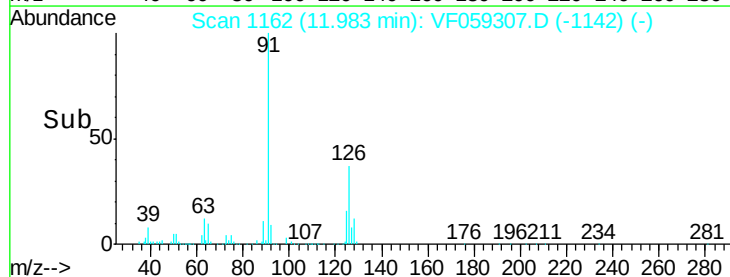
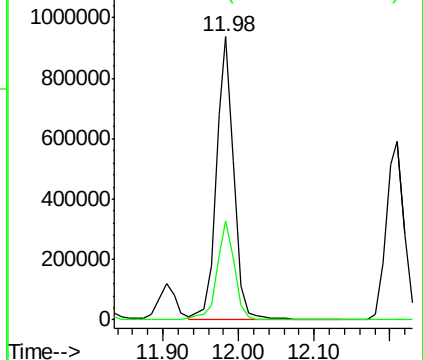
91 100

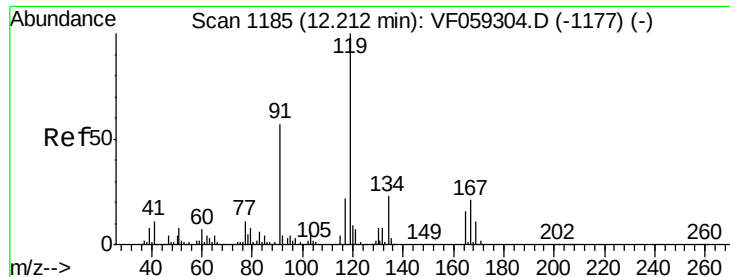
126 35.0 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

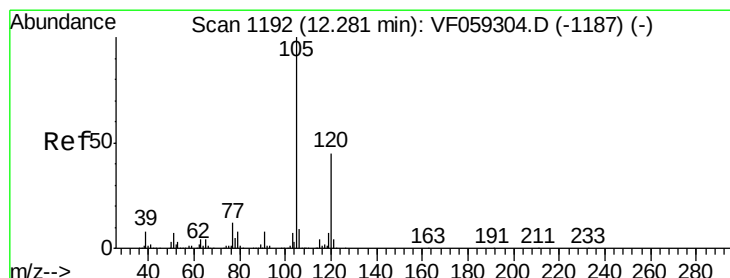
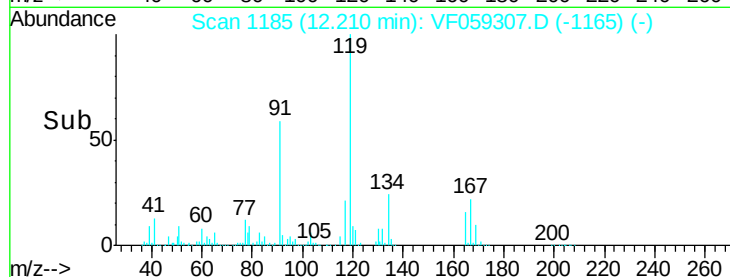
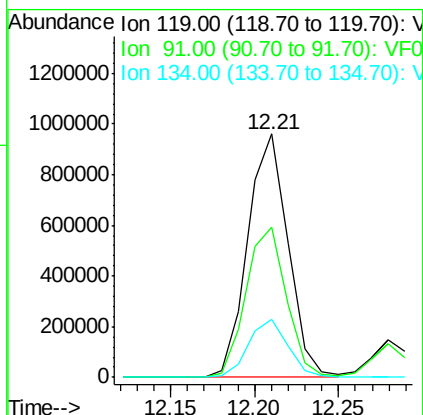
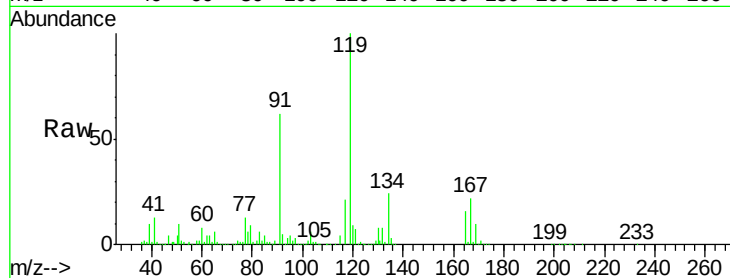




#83
 tert-Butylbenzene
 Concen: 113.176 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF059307.D
 Acq: 25 Jun 2018 17:37

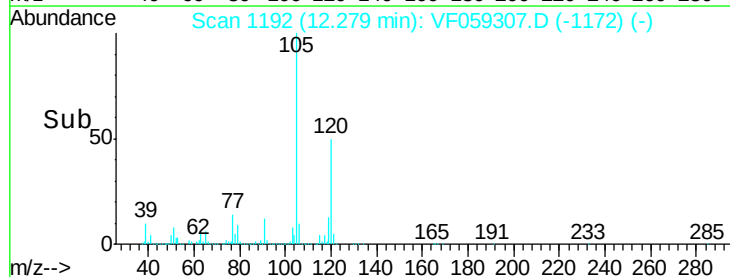
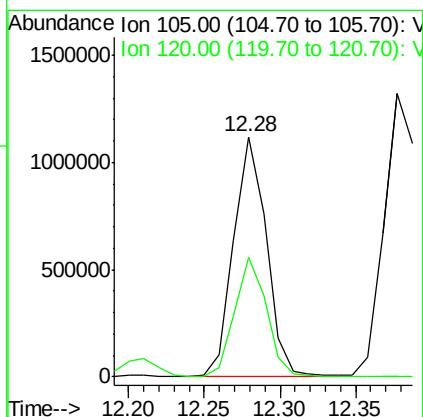
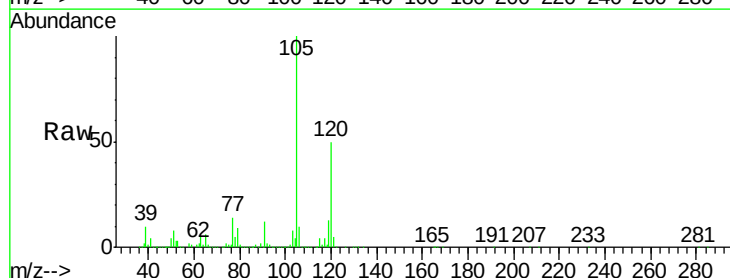
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

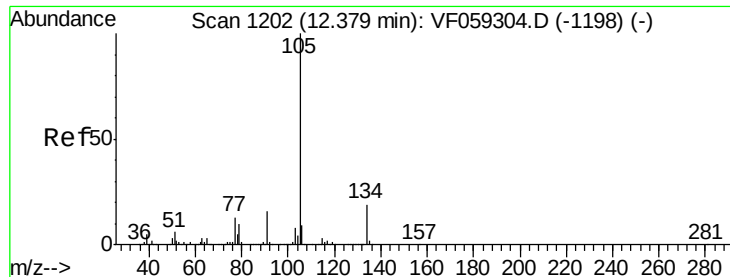
Tgt Ion:119 Resp: 1598583
 Ion Ratio Lower Upper
 119 100
 91 61.5 28.4 85.2
 134 23.6 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 114.065 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VF059307.D
 Acq: 25 Jun 2018 17:37

Tgt Ion:105 Resp: 1687980
 Ion Ratio Lower Upper
 105 100
 120 49.7 22.8 68.4





#85

sec-Butylbenzene

Concen: 112.564 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

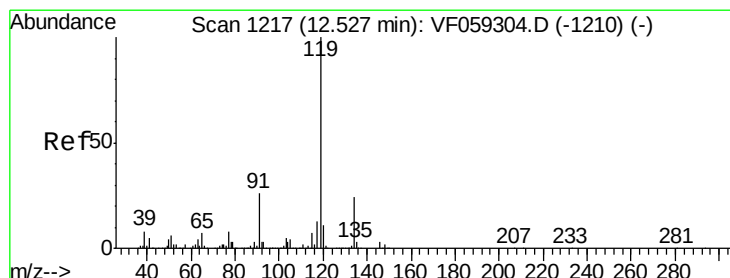
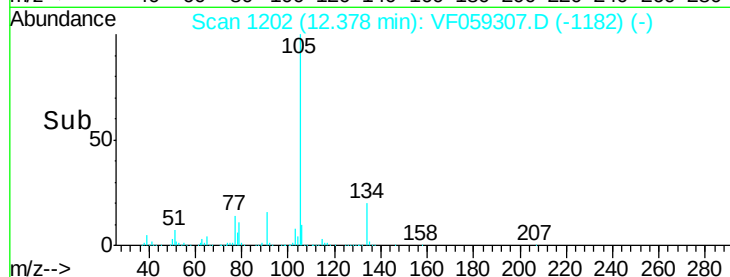
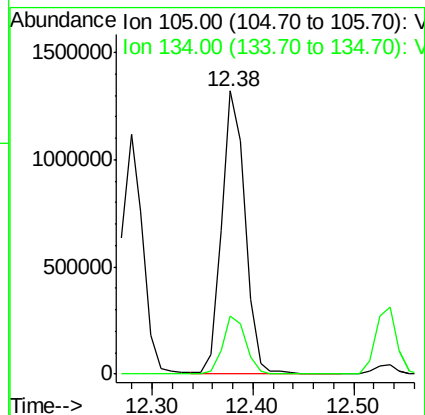
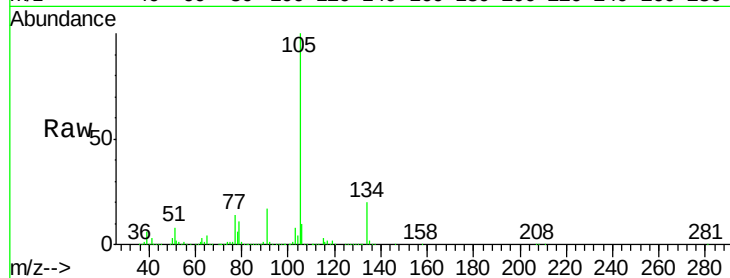
VSTDIC150

Tgt Ion:105 Resp: 2135590

Ion Ratio Lower Upper

105 100

134 20.3 9.4 28.3



#86

p-Isopropyltoluene

Concen: 113.058 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

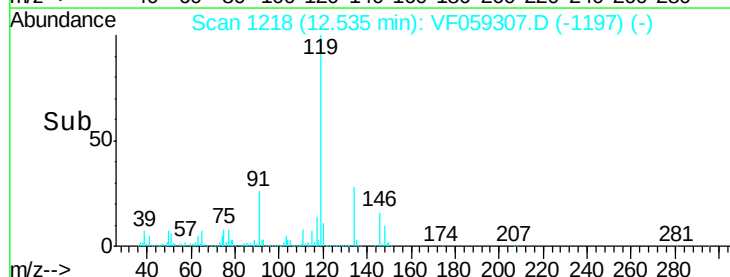
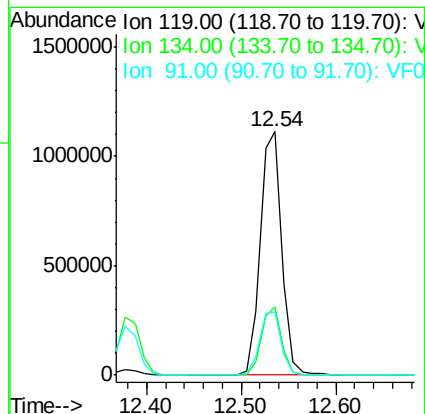
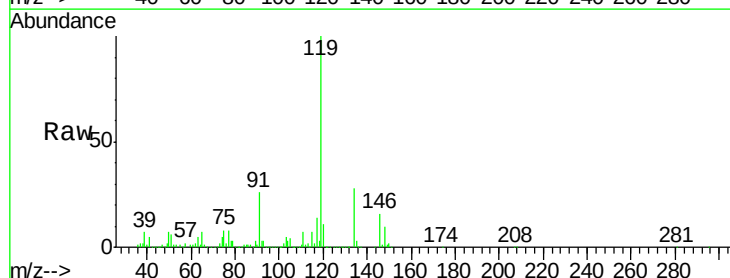
Tgt Ion:119 Resp: 1759406

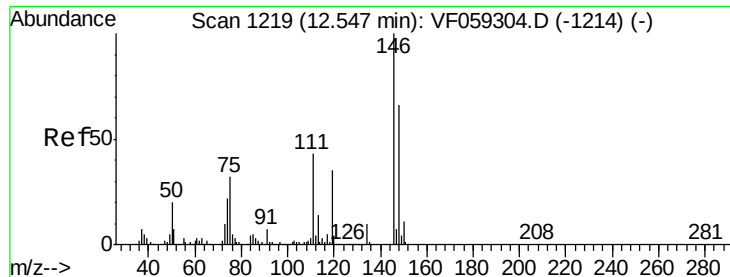
Ion Ratio Lower Upper

119 100

134 27.9 12.2 36.4

91 25.7 12.9 38.6

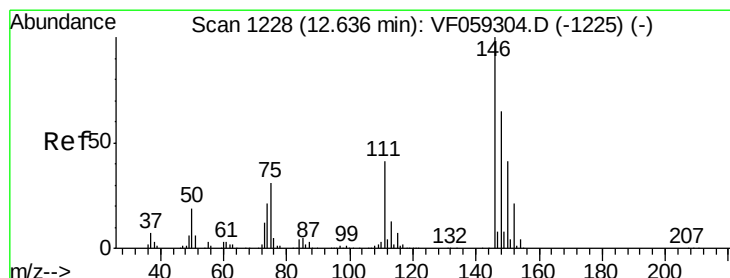
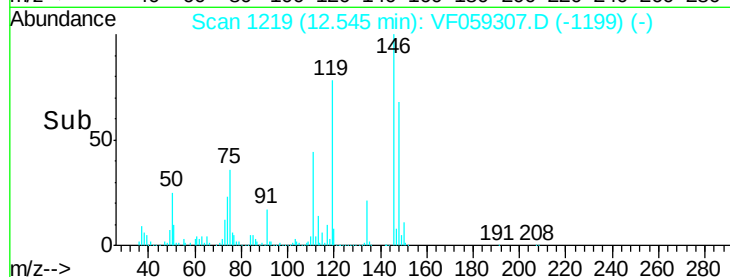
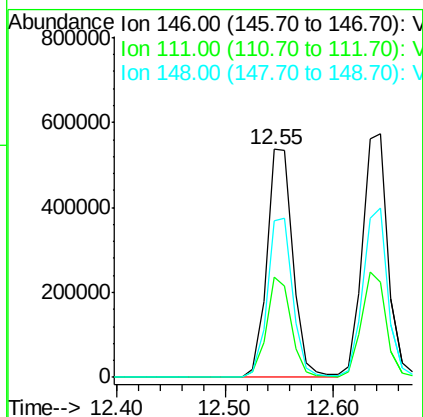
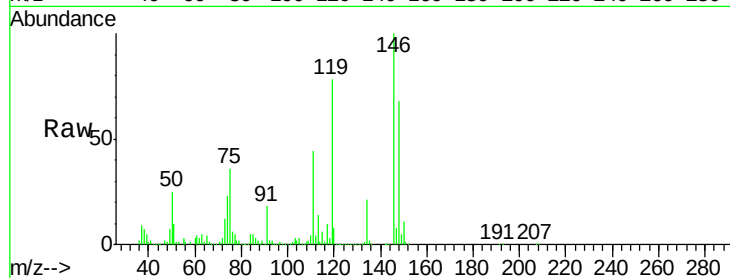




#87
 1,3-Dichlorobenzene
 Concen: 111.985 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059307.D
 Acq: 25 Jun 2018 17:37

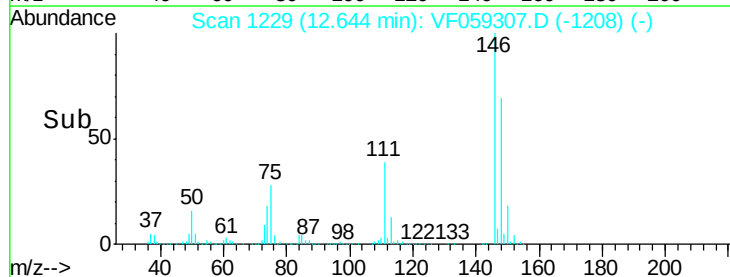
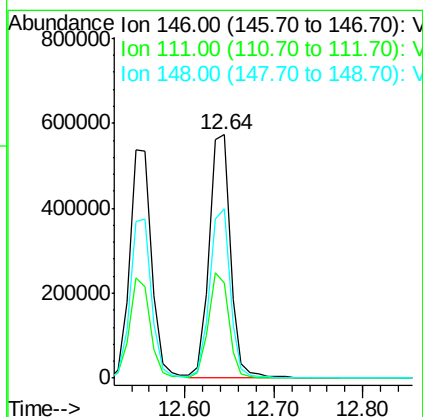
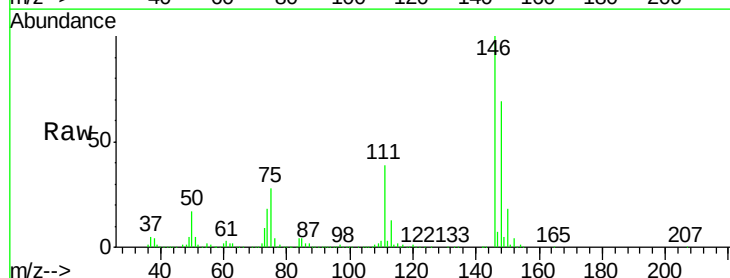
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

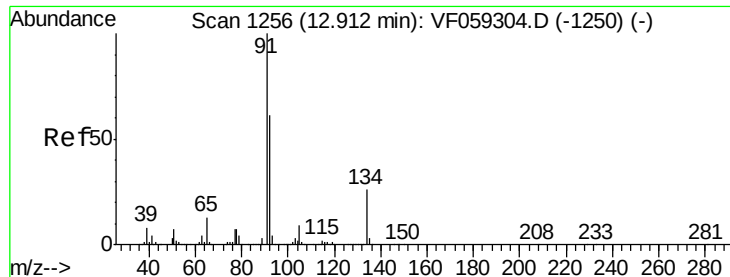
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.4	64.2
148	68.4	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 119.689 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF059307.D
 Acq: 25 Jun 2018 17:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.7	62.1
148	69.3	32.8	98.3





#89

n-Butylbenzene

Concen: 108.642 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

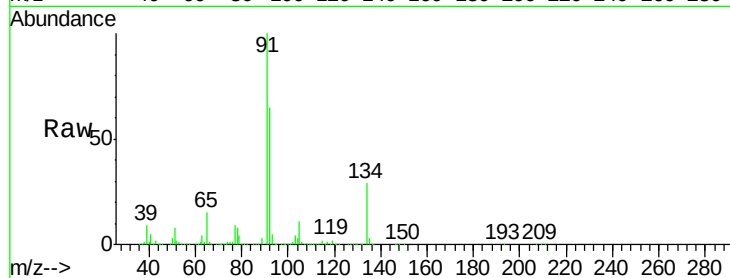
Tgt Ion: 91 Resp: 1718373

Ion	Ratio	Lower	Upper
91	100		
92	65.2	30.3	91.0
134	28.6	12.9	38.7

91 100

92 65.2 30.3 91.0

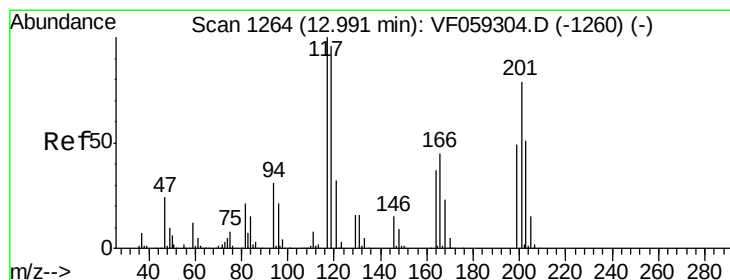
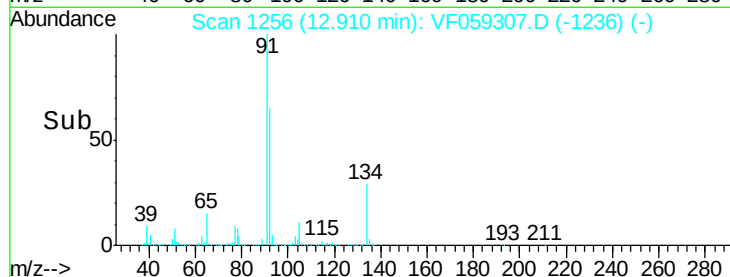
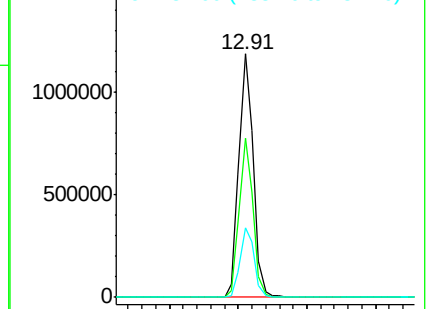
134 28.6 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 120.672 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VF059307.D

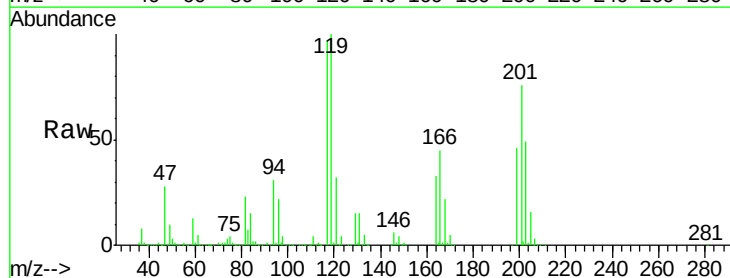
Acq: 25 Jun 2018 17:37

Tgt Ion: 117 Resp: 472893

Ion	Ratio	Lower	Upper
117	100		
201	78.0	39.5	118.5

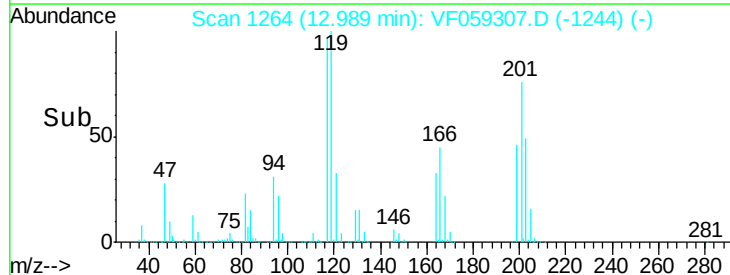
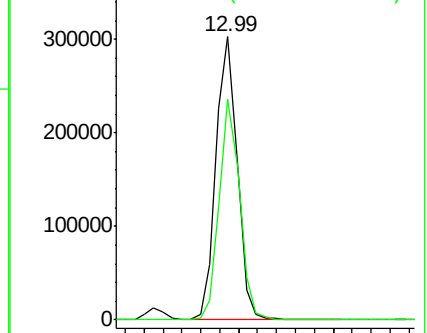
117 100

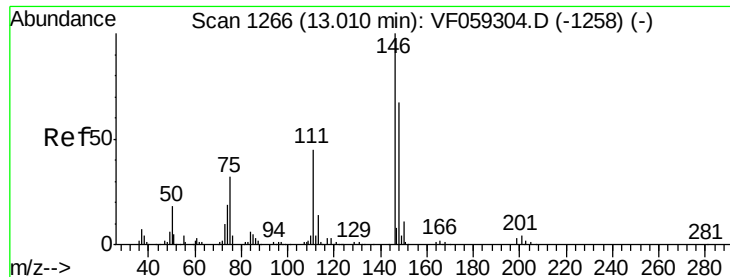
201 78.0 39.5 118.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 116.091 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

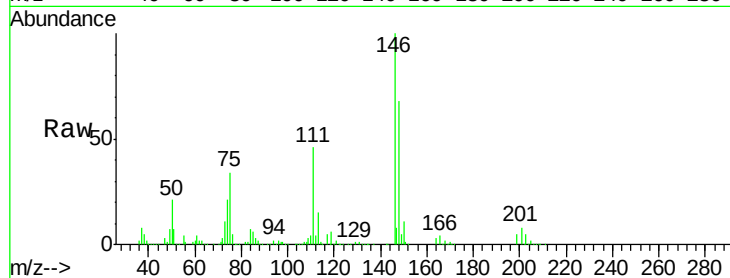
Tgt Ion:146 Resp: 937592

Ion Ratio Lower Upper

146 100

111 46.2 22.7 68.0

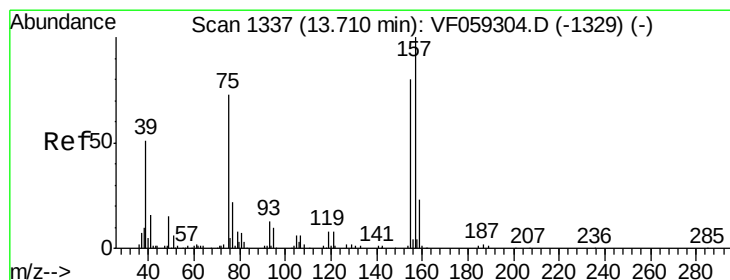
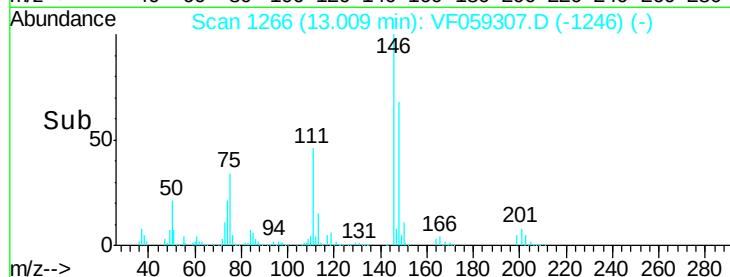
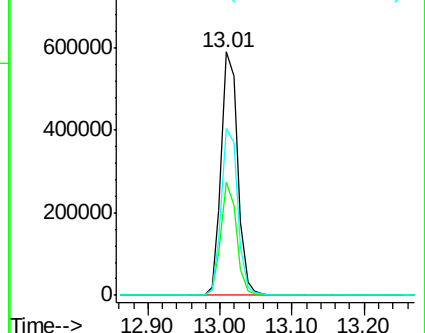
148 68.4 33.5 100.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 141.656 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

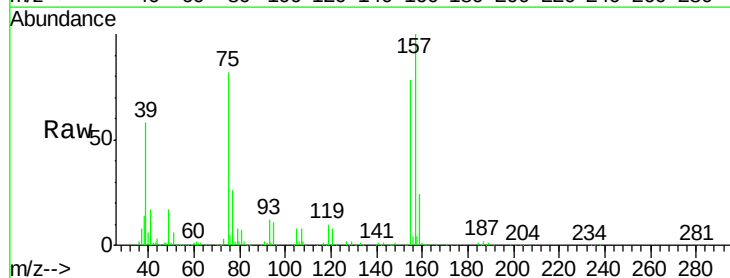
Tgt Ion: 75 Resp: 121318

Ion Ratio Lower Upper

75 100

155 94.9 54.6 163.8

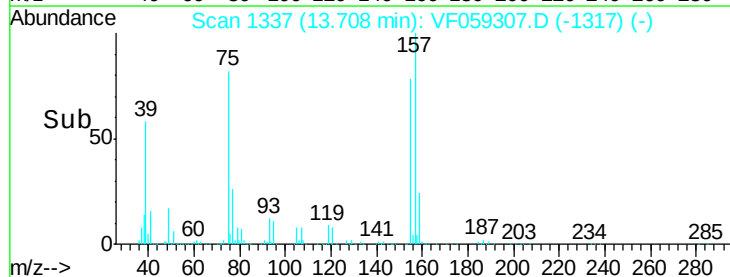
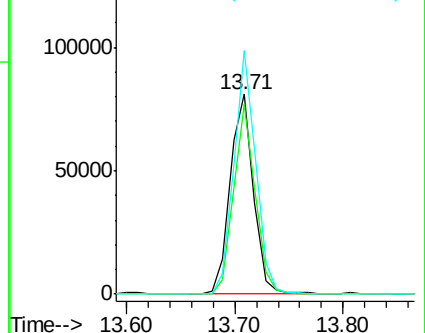
157 122.0 68.7 205.9

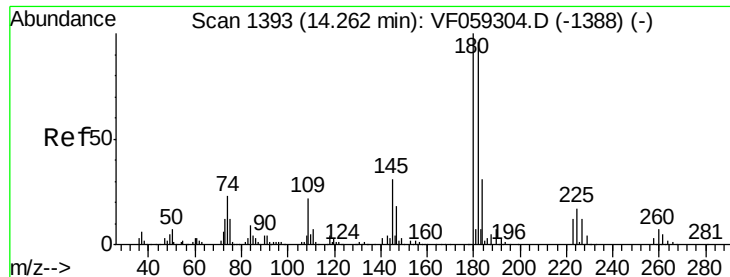


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

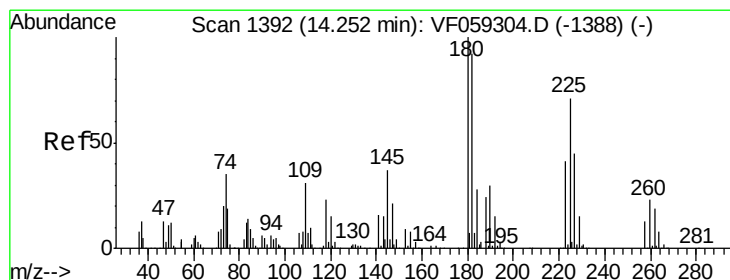
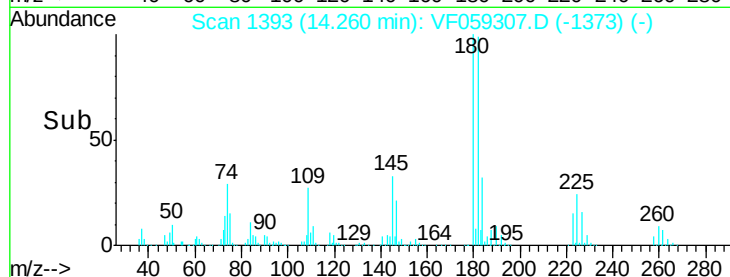
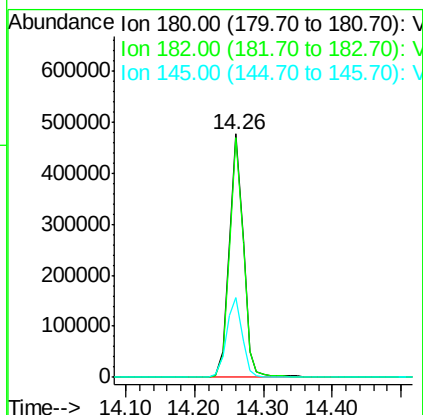
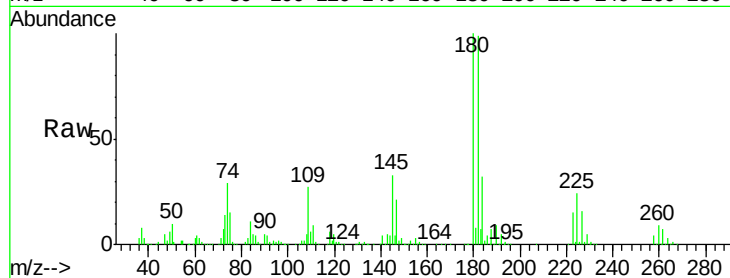




#93
1,2,4-Trichlorobenzene
Concen: 116.653 ug/l
RT: 14.26 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VF059307.D
Acq: 25 Jun 2018 17:37

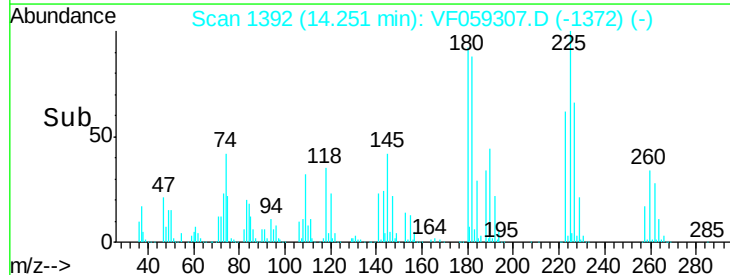
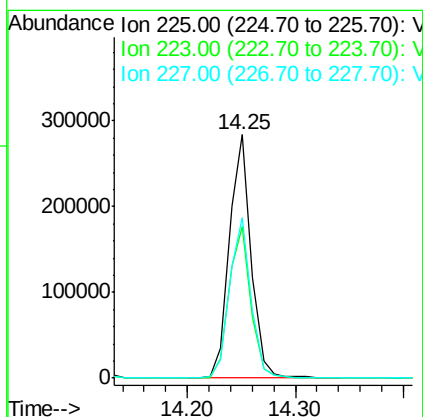
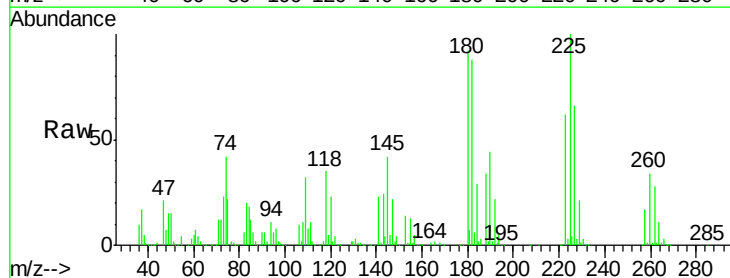
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

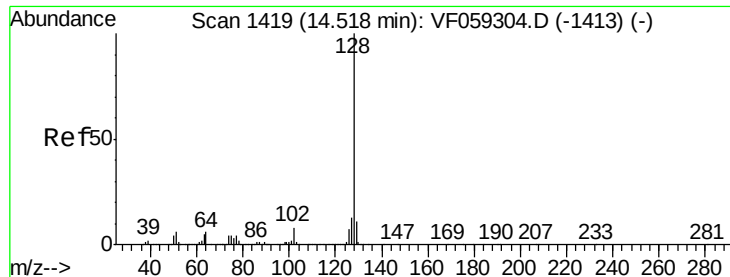
Tgt Ion:180 Resp: 682982
Ion Ratio Lower Upper
180 100
182 98.6 48.1 144.3
145 32.9 15.3 45.8



#94
Hexachlorobutadiene
Concen: 115.695 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VF059307.D
Acq: 25 Jun 2018 17:37

Tgt Ion:225 Resp: 396450
Ion Ratio Lower Upper
225 100
223 62.4 28.9 86.8
227 66.1 31.3 93.8





#95

Naphthalene

Concen: 135.893 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

Instrument :

MSVOA_F

ClientSampled :

VSTDIC150

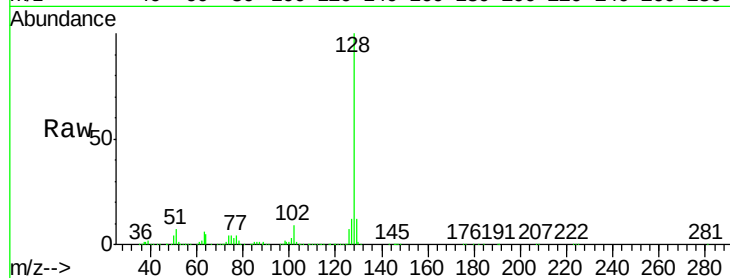
Tgt Ion:128 Resp: 1640063

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	12.2	8.8	13.2

128 100

127 12.4 10.1 15.1

129 12.2 8.8 13.2

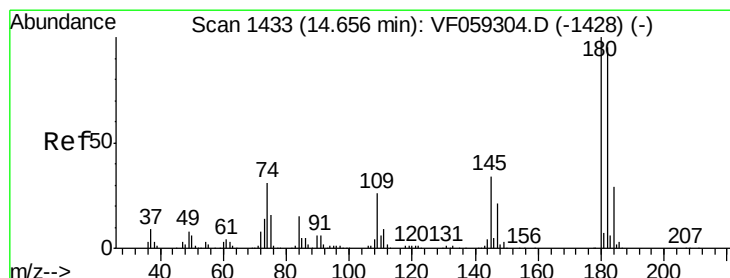
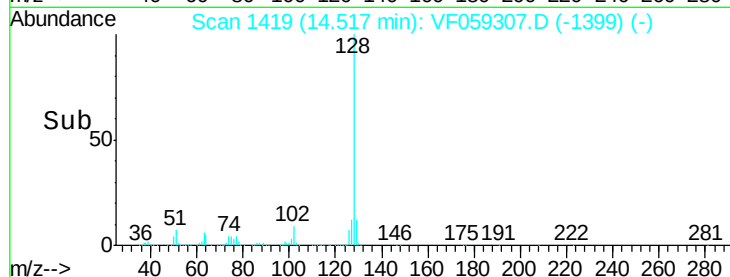
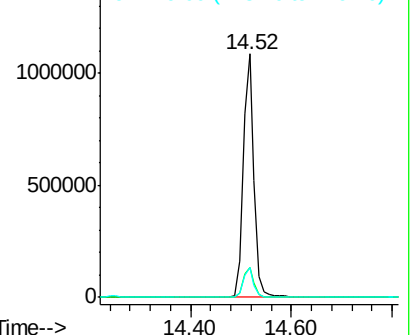


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 127.847 ug/l

RT: 14.66 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VF059307.D

Acq: 25 Jun 2018 17:37

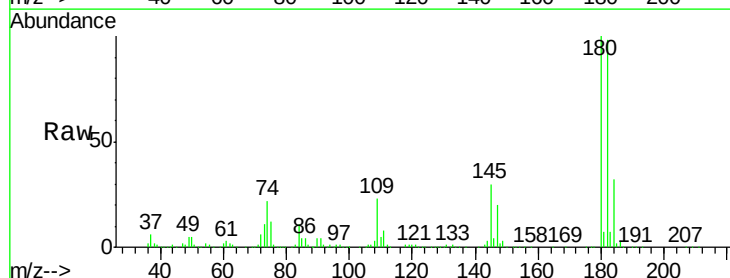
Tgt Ion:180 Resp: 704057

Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.5	142.5
145	30.0	17.0	50.9

180 100

182 97.8 47.5 142.5

145 30.0 17.0 50.9



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

